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| | | | the general formula of a-b, where a is any integer between 1 to 457 of SEQ ID NO:912, b is an integer of 15 to 471, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:912, and where b is greater than or equal to a + 14. | |
| 913 | HCYBJ96 | 875143 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 590 of SEQ ID NO:913, b is an integer of 15 to 604, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:913, and where b is greater than or equal to a + 14. | AA305249, N29048, N40240, AW378532, AW179009, D59467, D80522, D51022, D59610, C14389, AW360855, D80366, D80043, D80251, D80133, D80253, D58283, D51060, D80241, D50979, D80188, D81026, D80391, D80248, D59787, D50995, D80166, D80196, D80269, D59859, D80045, D59275, D80022, C14331, D80195, D51423, D59619, D80210, D51799, D80164, D80240, D80227, D59502, D59927, D81030, D80212, AA305578, D80219, AW377671, AA305409, T11417, D80193, C15076, D57483, D80038, D59889, D80024, AA514188, AW360811, C14014, D80378, D80268, AW177440, AA514186, AW178983, D80439, C14429, AW178893, D80247, D80302, AW375405, D59373, T03269, R95448, C06015, F13647, AW179328, AW366296, C75259, AW360844, AW360817, AW375406, AW378534, AW178906, AW179332, AW377672, AW179023, AW178905, D51103, AW177505, AW177501, D80157, AW177511, C05695, AA555182, D51759, AW352171, D80132, AW377676, AW178762, AW352170, AW177731, AA724922, AW178907, AW378528, AW179019, AW179024, AI499588, AW360834, D58253, D80134, AW367967, D51250, AW176467, AW178775, AI491817, AW360841, T92347, D80014, AW369651, AW179020, AW178909, AA191659, AW177456, AW179329, AW178980, AW352158, AA425118, AW178914, AW177733, AW178908, AW178754, AW179018, T48593, AA838190, AW352117, AA579179, D59653, AA010299, AW238488, AI580250, |

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| | | | AI031973, AA669564, AL119941, H09071, AI027459, AW179004, AA381011, AW178774, AW179012, AW378525, AW352120, AW352163, AI084294, AA630672, H82316, AW102846, AI420028, AL119713, C14227, AA101689, AW084466, AA669155, AI891080, T99179, AL080242, AR060138, AB028859, AC004386, AR008278, AL035699, A62298, AJ132110, AL033523, A84916, A62300, AR018138, AF058696, Z82214, AC002054, AC005048, AC004087, AC005939, AC007298, AL096791, AC007664, AC008018, Z69715, AC006241, Z97196, AL034417, AL121658, AC004491, AC004031, AC005759, AC002564, Z99495, AP000039, AC006121, AC005993, AC005037, AC002416, AC006427, AC009411, AL034374, AL031281, A82595, AC005305, AC004756, AL032822, AC005880, AC006509, AC005488, AC004885, AC005803, AP000108, AC000364, AL031005, AC007308, AP000159, AC004858, AC005011, AL121603, AC004057, AC007537, AC005844, AL035587, AL049697, AL139054, AC004112, AL135744, AC018767, AC004652, AF095725, AL049745, L05367, AC005940, AC006313, AC005815, AJ229042, AL118497, AP000356, AC007556, AC002455, AC005587, AP000215, AL031671, AL049758, AR060385, Z94162, AC005224, X67155, AC005337, AC006466, AC005234, AC006014, Y17188, AC005242, AC009233, D26022, AC005144, A25909, AC006112, AP000030, AB002449, AC004242, Y12724, AB020861, U20476, AC003103, AP000555, AF067844, AC006840, Z98750, AP000281, AF027390, AL022170, AL033521, AC004686, AL049776, AB023054, AC005988, AL022240, Z84478, AC004543, AC005568, AL023577, AF109907, AC007955, A94995, AL109754, AC004595, D34614, AP000502, AL024498, Z98048, AC007193, AC006322, AC004194, AC004528, A67220, D89785, AC003030, A78862, AC002078, Z99716, AC008033, |
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| | | | | Z80232, AC005972, AC002558, AL049565, AC005102, AC006571, AC004790, AL117694, AL049830, U61375, AJ010770, AL031466, AF045555, AC005091, AL035400, AC005280, AC002038, AC005081, AP000295, AC004972, AC007207, AC005548, AC002432, Z97054, AP000350, AC011504, AB020869, AF012654, X81001, AL035410, AB022430, AC005785, AP000745, AL031282, AC006208, AF001549, AC002528, Z93848, AL031670 |
| 914 | HCQDV29 | 875144 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 353 of SEQ ID NO:914, b is an integer of 15 to 367, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:914, and where b is greater than or equal to a + 14. | AL036180, AI133004, AI174946, AI133259, AI065079, AI207423, AI207597, AI064695, AI133218, AI133420, AI110646, AI064831, AI110645, AI133698, AA522946, AA160197, AA229530, Z98452, AA630934, AA468444, AI133099, AI064928, AI174665, AW073816, AL037870, AL037849, AL048198, AA886120, AI557077, AA524676, AA650324, C18017, AA490180, AA602274, AI061660, AA196337, AA130107, AA075016, AA075595, AL048429, AA502854, AI253444, AI114770, AA533954, AA081859, AI110815, AA429176, AI460015, AA081406, AI366551, AI717995, C18661, AA522591, AI366019, AI459473, AI525868, C18389, AI907036, C18379, AA075635, AA194553, AA523493, AW007608, C16892, AI253348, AA807804, AI560053, AA126340, AI833147, AI884494, AA525479, AA522587, AA878500, AA978232, AI832270, AA632775, AW438405, AA229483, AA223082, AA689249, AI366023, AI709394, AA541550, AA888285, AA745556, AA095476, AI832355, AA886596, AA486974, AA216175, AA602242, AA640469, AA654821, AI888487, AA149603, AA513233, AA635254, AI582341, AI064907, AA165016, AA659277, AA566024, AA640561, AA595864, AA091446, AI064797, AA193142, AA558762, AA224000, C18031, AA627260, AW238393, AA112897, AI653760, C18852, |

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| | | | AA630170, C18231, AA594949, AW081962, AA148381, AA630259, C17988, AA504683, AI133314, C17170, AA496598, AA664578, AI720552, AA642163, AI832732, AI832340, AA721533, AA659265, AA522984, AW062515, AA091197, AA092811, AW275829, AA669077, AI924211, AA094304, AA197080, AI536118, AA293391, AA879049, AA076526, AI750150, AW270021, AA248521, AI459425, AA578589, AA093200, AA469406, AA079089, AI124928, AI720986, AA247210, AA887028, AW390463, AI064836, AI434498, AA643797, AA486180, AA095860, AW385222, AW188463, AA575977, AW390478, AI253310, AW389679, AA492126, AL037048, AA095848, AI635477, AI525065, AW377099, AA887030, AA081861, AW176708, AI912529, AW238554, AA610388, AA095651, AA886490, AA548849, AA172233, AW004905, C14174, AI628930, AA485848, AA618334, AI133289, AA715869, AA737110, AA459176, AA533828, AA550932, AI880409, AA093878, AI557565, AA492518, AA493969, AI557197, AA530955, AI683207, AA098789, AI000746, AI215649, AI720912, AA291026, AA468098, AA526350, AI620571, AA845722, AA879152, AI028073, AW149630, AA091047, AA468404, AA089795, AW168232, AA650306, AA285306, AA112030, AA729085, AW379318, AW419429, AA493842, AW166013, AI766356, AI204214, AA679857, AA095843, AI523371, AA487595, AW238748, AA630251, AI557254, AA225169, AI535913, AW361141, AI819696, AW401887, AL036471, AA090461, X62996, X93334, V00662, J01415, D38112, AF134583, S55589, D38116, X93335, D38113, X93347, D38114, Y17171, Y17179 | |
| 915 | HCRPQ66 | 875150 | Preferably excluded from the | |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 272 of SEQ ID NO:915, b is an integer of 15 to 286, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:915, and where b is greater than or equal to a + 14. | |
| 916 | HE9RN07 | 875151 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1046 of SEQ ID NO:916, b is an integer of 15 to 1060, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:916, and where b is greater than or equal to a + 14. | AL120820, AI114879, AA305044, AA216697, F12227, T66356, W22473, AA477705, AF156488, AF176228, AF156487, AL035071, AF129267, AF129268, AF129269 |
| 917 | HDQEI55 | 875154 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 699 of SEQ ID NO:917, b is an integer of 15 to 713, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:917, and where b is greater than or equal to a + 14. | AA315836, AA436804, AI609528, AI358912, AI813498, AI094843, AI361926, AI123843, AI744918 |
| 918 | HCYBJ95 | 875156 | Preferably excluded from the | AA305248, N54839, R19266, AL138192, D81026, |

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| | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 581 of SEQ ID NO:918, b is an integer of 15 to 595, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:918, and where b is greater than or equal to a + 14. | D80164, D80043, D51060, D80133, D80195, D80522, D59502, D59275, C14014, AI903219, C14389, D80391, D80022, D59787, D81030, AA305409, D59467, D80227, D80196, C15076, D80248, D59859, D80269, D80166, D58283, D80193, D59619, D80210, D80240, D80045, D50979, C14331, AA514186, D51423, D51799, D80253, D80366, AA305578, D80212, D50995, D80038, D80024, D80219, D80188, D51022, AA514188, D59927, D80302, D80251, AW377671, D57483, D59610, D80378, D80247, D59889, C06015, D80268, T11417, D80439, AW360811, AW177440, D80241, C14429, AW178893, AW178983, AW375405, D51103, D59373, T03269, C05695, AW178906, AW366296, AW179328, AW360844, AW360817, C75259, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, D80157, F13647, AW378532, D80258, AW360834, AW177501, AW177511, D51759, D80132, AW352171, AW377676, AW367967, D59653, AW352170, AW177731, AW178907, AW378528, AW178762, AW179019, AW179024, D80134, D51250, AW176467, D80014, AW360841, AW177505, D58253, AW179020, AW178775, AW369651, AW178909, T48593, AW177456, AW179329, AW178980, AW178914, AW177733, AW178908, AW178754, AW179018, AW352158, AI525923, AW352117, H67854, D45260, D81111, AW178774, C14227, D59503, AW352120, D59627, H67866, AW179004, AA809122, AW179012, AW378525, AW352163, D58246, C03092, T03116, D58101, AW378543, AW177728, AW352174, AI535686, D80064, AW179009, AW178911, AW367950, AW177722, AW177734, AW378540, AI910186, AA514184, D59551, D59317, AI535959, AW178781, AI905856, C14077, D45273, D51221, AI525917, D51213, C14407, AW178986, C14973, C14344, AW378533, AI535850, T03048, D59474, AI557774, AI525920, AI525227, D60010, AW177723, D60214, AI525925, Z21582, |

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| | | | | C14957, C14046, AI525242, AI525235, C14298, D80168, AW378539, AI557751, D59695, AI525912, AW179011, AA285331, C16955, D52291, AI525215, T02868, H67858, AW378542, D31458, C05763, Z33452, T02974, AI525237, AI525222, D51097, Z30160, C13958, AW360855, C04682, AI525928, AF058696, A84916, AB028859, AJ132110, AF135022, AF105332, AB033042, A62298, A62300, AR018138, AR008278, A82595, AR060385, AB002449, X67155, Y17188, A94995, D26022, Y12724, A25909, I50126, A67220, D89785, A78862, D34614, AR008443, I50132, I50128, I50133, D88547, AR066488, AR016514, AR060138, A45456, A26615, AR052274, I14842, X82626, AR016808, Y09669, A43192, A43190, AR038669, AR066487, AR054175, A30438, Y17187, X68127, AR025207, A63261, D50010, AR066490, AR008277, AR008281, I82448, I18367, AR062872, A70867, AR016691, AR016690, U46128, AR008408, I79511, A64136, A68321, D13509, AR060133, AB012117, Z82022, AF123263, AR032065, U79457, AR060382, AR008382 |
| 919 | HCUDX92 | 875157 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 264 of SEQ ID NO:919, b is an integer of 15 to 278, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:919, and where b is greater than or equal to a + 14. | AI300507, AA503459, H82845, H90328, AA114131, AA356280, AA372548, AC002369, AF053356, AC007537, AL024498, Z85986, AL022165 |
| 920 | HCRON75 | 875160 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI934274, AI469768, AI084500, AI278335, AA040586, AW192311, AI015787, AW005485, AW273459, AA938464, AI241303, AA479214, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 333 of SEQ ID NO:920, b is an integer of 15 to 347, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:920, and where b is greater than or equal to a + 14. | AI282749, AA452413, AI799916, AA432193, AA995903, AI004146, AA902306, AW341825, AI302646, AA730505, AI400390, AI868755, T40774, W02777, AI038039, AA013109, AI537782, H07058, AA877238, AA182799, AI418984, AA017529, T48214, AA978013, AI911851, AA776891, AW304390, AW006644, N75836, AI084476, AA232952, AA479122, AI932697, AW196023, AI208222, F04445, F01828, AI130678, AW190128, T40963, AA644390, AA058919, AI122868, AI087324, AA369059, AA243728, AI561065, AI921425, AI828356, AA057173, AI803455, N35151, AI597644, AA354898, AI336533, AI620708, AA235996, N23222, AI816733, W60616, AA587281, AA954671, AI859497, AI357056, AW129922, N69671, AI066552, AI434169, AA194995, C01287, AA243833, AA418568, AA779835, AA418584, H43864, H53350, AA253056, R85536, R75653, AA629185, W24835, AA040558, AA789172, AA194809, AA535768, AA479121, W07476 |
| 921 | HWLNR94 | 875165 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 139 of SEQ ID NO:921, b is an integer of 15 to 153, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:921, and where b is greater than or equal to a + 14. | AC005300, AC006946 |
| 922 | HCRPY40 | 875174 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AL045916, AI014550, AW205277, AA775845, AI051916, AI381892, AI424322, N35376, AI810456, AA847552, AI910984, AI332893, AA885257, T60096, AI633075, F03985, AA664513, AA044225, AI868555, R44429, AA906159, L13832, AA971914, C14356, |

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| | | | is any integer between 1 to 916 of SEQ ID NO:922, b is an integer of 15 to 930, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:922, and where b is greater than or equal to a + 14. | AA947838 |
| 923 | HHEXW67 | 875177 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1344 of SEQ ID NO:923, b is an integer of 15 to 1358, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:923, and where b is greater than or equal to a + 14. | AA534865, AI972721, AW024640, AI686105, AI910871, AA777027, AI540070, AA424285, AI972994, AI581903, AA788840, AI005416, AI160974, AA424484, AI273568, AI222356, AA514202, W92744, R44594, AA383997, AI202893, W92867, AA679683, AI624954, AI695910, AA928816 |
| 924 | HWLNH10 | 875178 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 65 of SEQ ID NO:924, b is an integer of 15 to 79, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:924, and where b is greater than or equal to a + 14. | |
| 925 | HDQEG93 | 875182 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI991109, AI573169, AI554809, AA149006, AI733786, AI858718, AW176660, AI623804, AI557053, AA565141, AF170583, AF124439, AF124438, AF035527 |

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| | | | is any integer between 1 to 1412 of SEQ ID NO:925, b is an integer of 15 to 1426, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:925, and where b is greater than or equal to a + 14. | |
| 926 | HWLQT75 | 875190 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 710 of SEQ ID NO:926, b is an integer of 15 to 724, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:926, and where b is greater than or equal to a + 14. | AI339754, AA838377, N31598, D60056, R61377, AA873785, Z39347, T65060, F02714, D52625, H28582, F09593, W32712, AA056512 |
| 927 | HCRND03 | 875192 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 627 of SEQ ID NO:927, b is an integer of 15 to 641, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:927, and where b is greater than or equal to a + 14. | AI983632, AW025267, AW272316, AA659262, AA470678, AI890777, AI024574, AA079193, AI803969, AI246363, AI457170, AA465701, AI582165, AI831362, AW242145, AI804441, AW148727, AI689403, AA468711, AA613031, AI923319, N70510, H89293, AW383254, AW383251, AI351905, AA868078, AA730699, AA878423, AA633449, AA652754, AW383221, AI933556, AW383199, AI521443, AC006116, U83880 |
| 928 | HCWUO91 | 875194 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI291811, AI146716, AI334351, AW263730, AI192996, AI354288, AI333609, AI191011, AI082067, AW044117, AI868502, AI470433, AI038323, AI342187, AI241881, AI218348, AI808344, AI741256, AI192718, AI760268, |

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| | | | is any integer between 1 to 231 of SEQ ID NO:928, b is an integer of 15 to 245, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:928, and where b is greater than or equal to a + 14. | AI334089, W69457, Z20835, Z20837, Z20838, Z20843, Z20805, N91135, N41765, W87873, AR069078, AF102166, A75045, A75047, A75048, A75053, A75017 |
| 929 | HDTIP90 | 875197 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 283 of SEQ ID NO:929, b is an integer of 15 to 297, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:929, and where b is greater than or equal to a + 14. | AA425118, AA425874, AA010299, AA865829, N29860, AI339732, AA010300, AA768334, AI937125, AI383487, AI200629, AI140022, H94387, N64200, AI094333 |
| 930 | HE9TA31 | 875198 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 565 of SEQ ID NO:930, b is an integer of 15 to 579, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:930, and where b is greater than or equal to a + 14. | |
| 931 | HFPBV89 | 875200 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AA814573, U75285, AC004953, AL137100 |

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| | | | is any integer between 1 to 656 of SEQ ID NO:931, b is an integer of 15 to 670, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:931, and where b is greater than or equal to a + 14. | |
| 932 | HWLQZ89 | 875203 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1741 of SEQ ID NO:932, b is an integer of 15 to 1755, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:932, and where b is greater than or equal to a + 14. | AA431391, AA432383, AI090273, AI367314, AL120232, AI298212, AW378278, AI827602, W56760, AW207297, N46844, H79222, W38605, AI244214, W56715, AI218032, AI873993, H79131, AI193942, AI263537, AA733211, AA812972, Z21456 |
| 933 | HCRMY90 | 875205 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 676 of SEQ ID NO:933, b is an integer of 15 to 690, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:933, and where b is greater than or equal to a + 14. | AI097657, AI005046, AA813340, AI636914, AI097487, AI493211, AI697153, AI953943, AI378904, AI924159, AI400885, AI493292, AI082107, F30829, R48330, AI309912, H09783, H42982, H18103, AI917833, H20981, AI769442, AI675984, AI862392, AW002435, AI373073, AA862505, AI370933, AI671314, AI273239, N24904, AI341347, N89740, AI700912, AI284290, AI970259, AI872066, AA689333, AA569844, AI206326, AA490593, AI830751, AI420771, H82710, AI681752, H53425, AI263143, R01657, F04440, AI124601, H46265, AA742975, AI637720, AI672283, AI692305, AI969072, AW044491, AI971840, H24582, H47917, AI660826, F36522, AL119429, R42512, F05030, R60010, AI334587, AI568437, AI636598, AI972728, AI698094, AA448948, AI919147, H73765, R35079, AI937157, H81810, H46366, AI264374, R40749, |

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|---|---|---|---|
| | | | AI302145, AI814203, AA579984, H08629, AI241253, N70758, AI784637, AA445972, AA831362, AA449675, AI962774, N73289, AA742512, F04519, H81808, H45607, N36026, AW129948, AA371633, AI918943, AI457339, AI202352, AW292465, W44502, AA976901, H74148, W32735, AI869367, AI538764, AI554245, AI890833, AI364788, AI633073, AI654276, AI567769, AI270099, AI312428, AI590603, AI610114, R36271, AL120853, AA719425, AL135025, AI963068, AL045620, AA808096, AW022682, AI868831, AI612913, AI250293, AL048656, AI497733, AW074993, AI349614, AA640779, AI282326, AA572758, AI312152, AW075084, AI349937, AI340603, AI954183, AI500061, AL036187, AI307708, AI569583, AW274192, AI635492, AI932953, AL079963, AA225339, AL036638, AL036802, AL119863, AI340519, AI348897, AI612920, AI800384, AI340582, AI564765, AI334450, AI680280, AW071417, AL036274, AI814087, AI160954, AI631107, AI281837, AI801523, AI318569, AW020693, AA427700, AI523806, AI475371, AI349645, AW089572, AI815855, AW079572, AL047422, AI828583, AL041150, AI368868, AI811353, AI630252, AI309401, AI627988, AI249375, AW403717, AW302965, AL134999, AI343112, AI826225, AI445165, AI811785, AW268220, AI349598, AL036631, AW023590, AI349256, AI589998, AW151136, AI345735, AI783504, AI929108, AI620284, AI923989, AL036361, AI921248, AI334884, AI571909, AI619502, AI335426, AI802542, AI348777, AI699865, AI348854, AI499285, AW026882, AL038445, AI698391, AI345543, AI815232, AL036901, AI251221, AI500077, AI284517, AI064830, F36033, AI433157, AI702073, AI567351, AL039086, |

AW302992, AW268253, AI862144, AW081449,
AI567612, AI345463, AI288285, AL048323,
AL036396, AL048340, AI950664, AI819326,
AI683099, AI343059, AW129689, AI500659,
AI624206, AI873613, AL050223, AF135372, I77040,
Y09972, X70685, AF113690, U42766, A08916,
I89947, AF090900, AL133560, A08910, I48978,
AF113677, AL049314, S78214, AL137550, A08909,
AL137521, AL049452, I89931, AL133016, A03736,
X63574, AF111851, A77033, A77035, A07647,
AF177401, A08913, AL133640, AL133557, AF091084,
AF113019, AJ000937, AL117457, E12747, AL110225,
Y11254, AL137459, AL117460, AF100931, AF097996,
I33392, AF113691, AL050116, AL096744, AF026816,
I48979, I03321, AF158248, AF118070, AL137480,
I49625, AL122050, AL137271, AF146568, AL122093,
AL133565, AF118064, X62580, AF111849, AF079765,
AL110280, Y16645, AR059958, E07108, AL049430,
AB007812, L31396, L31397, AF061943, AB019565,
X82434, AF017437, AF090943, AJ238278, X84990,
AF113013, AF125948, AF090901, AL117435,
AL122121, A08912, AR038969, AF078844, AF067728,
AF132676, AL049382, AF061836, AF090903, I00734,
S61953, AR011880, E05822, AF087943, AL110197,
AF026124, AL050277, E00617, E00717, E00778,
U68387, AL050146, AF090896, AL133606, X96540,
AF090934, AL050024, AL133075, AL117394,
AL080124, AF057300, AF057299, X72889, Y11587,
AL133080, AL117583, AL050149, S68736, AL133568,
A58524, A58523, AL049466, AR038854, AF113699,
AJ242859, AL137538, AF017152, AL050108,
AL050393, U35846, I26207, AF113694, AL137557,
AF125949, AF113676, U00763, X98834, AL122123,
AL122110, A65341, AL049300, AR000496, U39656,
U78525, AF106657, AL133113, Y10080, AF106862,
A93016, E03348, AF113689, AL133093, E02349,

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| | | | | U58996, AL122098, AL110221, I09499, E02221, AL080060, AL137526, AL110196, AL049464, AL110222, AF061573, AL049938, AF183393, AF153205, AL137533, AL080137, AL137527, Y07905, U91329, U72620, E07361, AF118094, AL049283, AL137560, AL080074, L30117, AL137648, X65873, AF003737, AL133067, A93350, AF104032, AF054599, AL137665, AL133104, X87582, U67958, Z82022, E15569, AL117585, AL133014, U80742, A12297, AL137463, AF162270, AF111112, AF119337, L19437, I42402, AL137529, E08631, AF185576, AL133072, AF008439, AJ012755, AC006840, AJ006417, AL137292, A90832, M30514, AL133098, AL133077, AL137429, AL122049, I09360, Z72491, E04233, AF079763, AL117432, AL137556, AL080159, AF210052, Z37987, AL080127, U96683, Y14314, A45787, AL117440, AL050092, AL050138, X93495, AL137476, E08263, E08264, AF106827, AL133665, AL137273, AF126247, AL137478, X52128, AL080148, AL137294, Y10655, AL050172, AF030513, W44503, AA706537, AA723577 |
| 934 | HNBTB35 | 875206 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1697 of SEQ ID NO:934, b is an integer of 15 to 1711, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:934, and where b is greater than or equal to a + 14. | AI884729, W81653, AW182472, AA316800, AI499650, W81654, AA340783, AW079879, AI889685, AA172137, AI889690, R12690, AW014526, AW296129, Z17347, R16432, AW170446, AA243050, AI270013, AI902413, AA524041, AI906269, AF098915, AF116571, AF083105, AR060647, AR060646, AR060642, AF149301, AB006329, AJ000740 |
| 935 | HCQAW68 | 875208 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AW173026, AI521274, N49409, AA418271, H63962, AA009947, AA808598, AW043579, AW183055, AA478576, AA847893, AA885985, AI417159, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 856 of SEQ ID NO:935, b is an integer of 15 to 870, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:935, and where b is greater than or equal to a + 14. | AI950883, AI089360, AA505961, AI468599, AI379044, AI027938, AI333775, AA255751, AW292700, AI972464, N49499, AA173415, W31503, AI678423, AW193647, AA470626, AA456887, AI741193, D30922, AI262232, AA417796, R94806, R94723, AI703182, D31568, AA478711, AA335529, AI004158, AA173505, W94077, N87822, W94078, AC006557 |
| 936 | HWLRR89 | 875209 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 429 of SEQ ID NO:936, b is an integer of 15 to 443, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:936, and where b is greater than or equal to a + 14. | W68407, AA513541, W68295, R05299, H43627, N64587, H91844, AI689019, AA747243, F13749, AW167154, AA569065, AL135643, AA229444, AA579184, AA226584, F27015, AA563770, AI859280, AI499472, AI598003, AI751162, AI364809, AA663692, AW162288, AA311156, AW245179, AI955703, AA587641, AA461308, H79676, AA130647, AA178955, AA176717, H62670, AI696793, AA229464, AA644320, AA715878, AL037050, AA584603, AA934680, AA658320, AA346586, AI014361, AI829331, AI699060, W45298, AA904137, AA055918, AA365586, AA610660, AA745337, AA574442, T05319, AA172191, W45283, R23352, AA488620, AI929243, AA831904, AA501418, AI299050, F32893, AC000070, AC000052, S42655, AL035683, AC004019, M87918, AC006211, AL049780, AC006530, AL022316, AL133448, AP000689, L44140, AF196779, Z82180, AC005756, AC009946, U02068, AC000015, AP000556, AC009069, AC005786, AL031255, AC004876, AL133353, AC003964, AC005498, AC003108, AC002418, U73649, AF064858, AL031733, AC005874, AF134471, AC006050, AL121653, AF129756, AL031003, AC021092, AC006039, AC004386, AL021546, AF109907, AC004859, AC002504, Z83826, AC006238, AF045555, AC004211, AL049776, AL109654, AL117536, AC005081, AC009509, AC005971, AC005225, AL109984, AC006079, |

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| 937 | HEICC11 | 875210 | Preferably excluded from the | AL031311, AC008115, AC005703, AL022329,<br>AC007055, AC004099, AC005920, AJ003147,<br>AB003151, AL050332, AL022328, AL022163,<br>AF001549, AP000356, AC000025, AB023050, Z98051,<br>AL031662, AL031283, AL008719, AC005746,<br>AC005531, AB014084, U07563, AC004253, AC003119,<br>AP000511, AC007487, AC004921, AC005839,<br>AC007386, AC004913, AC002301, AL009182,<br>AC003684, AC004638, AL023879, AL109798,<br>AC005104, AL031681, AF084941, AL008735,<br>AC006597, AC005291, AC004794, AC005837,<br>AC004854, AL023513, AC004812, Y16790, AC005562,<br>AC006511, AL078477, M58600, AC002425, Z83819,<br>AL022578, AL021366, AC004496, AL022320,<br>AC004079, AL078472, AC005726, AC007136,<br>AC003110, AC005257, AL031670, AC006141,<br>AF064866, Z97056, U95742, AC005915, AC010072,<br>AL121603, AC005089, AC005808, AC003664,<br>AC005369, AC004207, AC000075, AL031228,<br>AC005512, AC007229, AC005755, AL031594,<br>AL122003, AC005479, AC006376, AC007308,<br>AL117258, AC005387, AC004821, AC003692,<br>AC005209, AL031589, AL050343, U47924, AC005527,<br>AC002470, AC005988, AL020997, AL035587, L35485,<br>AC005740, AC002091, AL080243, AC005480,<br>AC007011, AC007435, U91325, AF207550, AC002070,<br>AL023807, U14705, U95739, AL024498, AR000118,<br>AL135744, AC004678, AC006285, AF134726,<br>AC003101, AC002558, AC006111, AL034418,<br>AC004687, AC004931, AC005529, AC006257,<br>AP000114, AP000046, L47234, Z70289, AC005800,<br>AC009516, AC005288, Z68162, AC004132, AC003958,<br>AC004263, AC004778, AL034420, Z82198, AC005759,<br>AL133163, AC006001, AF043945, AC007191,<br>AC004167, AL008635, AL049642 | AI822096, AW055351, AW025170, AI738870, N74105, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 476 of SEQ ID NO:937, b is an integer of 15 to 490, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:937, and where b is greater than or equal to a + 14. | AI908453, AW167780, T20232 |
| 938 | HOHAU31 | 875211 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1151 of SEQ ID NO:938, b is an integer of 15 to 1165, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:938, and where b is greater than or equal to a + 14. | AI082833, AI338355, AI380850, AA442723, AI126571, AA977252, AI796807, AA744566, AI498240, AI869676, AA804766, AI356565, AA393967, AI937681, AI141830, AI362778, AI962284, AA769508, AI266381, N68361, AA648745, AI628738, AI937696, N93235, AI566330, AA837210, AA488188, AA400818, AA768792, AA010778, AW135635, AA011186, AI937706, AA456354, AI740716, AI633524, W25092, AA401161, AA402881, AA454705, AI765112, AA806815, N94030, AI347193, R38452, AI392957, R36533, AA247860, AI802287, AA910408, AW365114, D87957 |
| 939 | HHEVA12 | 875214 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 434 of SEQ ID NO:939, b is an integer of 15 to 448, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:939, and where b is greater than or equal to a + 14. | H82458, AI807402, AI702959, AI828066, AA844652, AI990582, AI867867, AI650779, AI783685, AI823816, AI763024, AI703213, AI394033, AW450682, AA932131, AA631102, AA883441, AI245841, AI202267, AI798617, AI680581, AI399658, AA962795, AI351810, AI433871, AI953582, AA308767, AJ006591 |
| 940 | HWLPE33 | 875215 | Preferably excluded from the | AW148699, AA037650, AI560082, AI270751, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 918 of SEQ ID NO:940, b is an integer of 15 to 932, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:940, and where b is greater than or equal to a + 14. | AA534005, AA026583, H47850, AI805489, N44186, R49805, AA229478, AI584148, AA578254, AA897016, R49846, H47851, AA592942, AI220276, AA654482, AI682899, AA297498, AI342677, F23294, AW392414, AA362349, AA704009, AA832025, AW162750, AA362348, AC006121, AC005089, AL122020, AL133245, AL031680, AC004913, AC003043, AL034420, AC005920, AC005632, M87889, AF124523, AF073485, Z99716, AC005881, AC002542, AP000687, AL135783, AL035461, AC006130, AC005921, AC007537, AC002477, AC004491, AC004181, AC005694, AL022302, AC005919, AL035415, AC004883, AC005844, Z98941, AL117258, AC004821, AC005940, AL022336, Z99127, AL031255, AC004685, Z97630, AL135744, AL049843, AB000876, AC001227, AC004149, AC007435, AL096701, AC003958, AC004859, AC002350, AC007216, AC005081, AC005387, AL121658, AL109963, AC006441, Z83844, AL031005, AC002310, Z98036, AC006241, AF001550, AF200465, U07000, AP000688, U95742, AC005914, AC006285, AC007283, AC004967, AC004791, AC004000, AC005266, AL008583, AF038458, U62317, AC010582, U73638, AC002044, AC004382, AB000882, AP000243, AL049591, AC004814, U52112, AC005253, AL031283, Z73359, AL021707, AC005736, AC007774, AL022721, AC004686, AP000212, AL022316, AL031296, AF205588, AL050341, AC007308, AC005231, AC005102, AC006101, AL022313, AC005730, Y10196, AC002045, AF109907, AL121603, AC003101, AC005911, Y14768, AC006312, AC004148, AC002470, AF001552, AP000509, AC005291, AF111168, AL049699, AC003109, Z85986, AC007685, Z98752, AC006552, AC004876, AP001065, AP000692, AC006111, AC006077, AF001549, U63721, AC005086, AP000505, AL049694, AC004671, AC002351, AF217403, AL033376, AC008372, AC005829, |

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| | | | | AC004815, AL049780, AL136295, AC004874, AC005037, AC006509, AC005826, AC005529, AL021391, AP000689, AC005527, Z94801, AC005399, AC016027, AL008726, AL050348, AC006141, AD000092, AL121769 |
| 941 | HCRME38 | 875223 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 721 of SEQ ID NO:941, b is an integer of 15 to 735, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:941, and where b is greater than or equal to a + 14. | AA357892, AA352090, AA169706, N48669 |
| 942 | HUSFH63 | 875226 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 844 of SEQ ID NO:942, b is an integer of 15 to 858, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:942, and where b is greater than or equal to a + 14. | AI989470, AI739105, AW003166, AW450745, AI798962, AI394656, AI762864, AI090267, AI650759, AI360003, AW451412, AI332832, AA639490, AW448996, H22460, AI659730, AI243133, AA700052, AA922300, AI276808, AA481892, W80881, AW196339, AW001627, W80754, AA887717, W76370, AA490319, AI362569, W72312, AA490418, AA922615, F33362, AA379821, AA947197, W57568, Z41493, AA216710, AA218589, AI631175, AW081873, AW235387, AA937923, AA868799 |
| 943 | HMWDC28 | 875228 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1331 of SEQ ID NO:943, b is an integer of | AW194969, W52839, AI521938, W81166, AI199267, R68505, N47371, W81165, AI827849, AA086195, R46033, AI816972, T64991, AI797732 |

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| | | | 15 to 1345, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:943, and where b is greater than or equal to a + 14. | |
| 944 | HUVDJ48 | 875236 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1815 of SEQ ID NO:944, b is an integer of 15 to 1829, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:944, and where b is greater than or equal to a + 14. | AI479925, AI886110 |
| 945 | HCQBE84 | 875238 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 374 of SEQ ID NO:945, b is an integer of 15 to 388, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:945, and where b is greater than or equal to a + 14. | T81835 |
| 946 | HCYBJ39 | 875239 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 623 of SEQ ID NO:946, b is an integer of | AI739548, AI220390, AA242763, AA242742, AI280472, N29550, AI474281, AA305458, N42160, AW295694, AI376757, AI051056, D59275, C14389, D51423, D51799, D59859, D80164, D80038, D80195, D59467, D80227, D59502, C14331, D58283, D80022, D80166, C15076, D80253, D59619, D80210, D80391, D80240, D81030, D80043, D59787, D80269, D80024, |

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| | | 15 to 637, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:946, and where b is greater than or equal to a + 14. | D80212, D50979, D59889, D80193, D80196, D80188, D80219, D57483, D59927, D80366, D80378, AA305409, D80045, D50995, D59610, AA305578, C14429, D51060, D80241, T03269, D51022, AW178893, C14014, D81026, AW179328, C75259, D80251, AW177440, AA514188, AW378532, D80134, D80248, D80522, AW178775, D80133, AW369651, AW360811, AW178762, AA514186, D51250, D52291, D59695, F13647, AW352158, D58253, AW375405, AW377671, AW177501, AI910186, AW177511, D80168, AW366296, C14227, AW360844, AW179023, AW360817, AW375406, AW378534, C05695, AW179332, D51079, AW377672, AW178905, D80268, D81111, AW352117, D80132, AI905856, C14298, AW176467, D80302, AW179020, C14407, AW352171, AW179019, D59373, AW377676, D80439, AW352170, AW177731, AW178907, AW179024, AW360834, D80247, AW177505, D51103, AW178906, AW378540, AW360841, AW178909, AW177456, Z21582, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018, T11417, AW352174, AW179012, AW179004, AW178914, AW378525, AW367967, D80157, AA285331, C06015, D51097, AW177728, AW179009, D51759, AW178774, AW178911, AW378543, AW177722, AW352163, D59503, AI557751, AW178983, AW178781, D59627, T48593, AI557774, D58101, D59653, D45260, AW177723, AW352120, H67854, AA809122, AI535850, C03092, H67866, AI525923, AW378533, D59317, AW178986, AW367950, C14975, AI535686, D51213, T03116, T02974, D80258, AI525917, D45273, D58246, D80014, C14344, C14973, D80064, AI525920, D51221, D59551, D59474, D60010, AA514184, D60214, AW177734, AI525227, D50981, C14957, AI525235, C14046, AI525242, AI525925, T03048, AI525912, C16955, AW378539, AI525215, AI525222, AW378542, C05763, Z33452, AI525237, AF064104, |

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| | | | | AF064105, AF023158, AC006024, AC004899, A84916, A62300, A62298, AJ132110, AR018138, AF058696, AB028859, X67155, Y17188, D26022, A25909, AR008278, A67220, D89785, A78862, D34614, I82448, D88547, X82626, Y12724, AR025207, AR060385, A82595, A94995, AB002449, I50126, AR008443, AR016808, AB012117, I50132, I50128, I50133, X68127, AR066488, AR016514, I14842, A85396, AR066482, AR060138, A44171, A45456, A26615, AR052274, A85477, I19525, A86792, U87250, Y09669, A43192, A43190, AR038669, AR066490, X93549, AR066487, AR054175, A30438, I18367, Y17187, X64588, A63261, D50010, AR008277, AR008281, I79511, D88507, AR062872, A70867, AR016691, AR016690, U46128, AR008408, A64136, A68321, D13509, AR060133, AF135125, Z82022, U87247, AF123263, AR060382, AR032065, U79457, AB033111, X93535, AR008382 |
| 947 | HCRMW50 | 875240 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 739 of SEQ ID NO:947, b is an integer of 15 to 753, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:947, and where b is greater than or equal to a + 14. | AA700211, AI924174, AA393151, AA435564, AA372370, AA380857, AA381081, AA302773, AA070279, N42187, AA054463, AL035301, Z97195 | |
| 948 | HCQDF84 | 875246 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 898 of | AA776462, AW129423, AI969716, AA989719, AA535427, AA160871, AA015965, AA749060, AI962767, AW192584, AI288894, AA954800, AI767952, N43845, T67088, R00572, T52847, T06646 | |

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| 949 | HNHOD84 | 875253 | SEQ ID NO:948, b is an integer of 15 to 912, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:948, and where b is greater than or equal to a + 14. | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 426 of SEQ ID NO:949, b is an integer of 15 to 440, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:949, and where b is greater than or equal to a + 14. | AA515440, AA448050, AA252729, AI274692,<br>AA569065, AA456937, AI038990, AA715004,<br>AA070456, AI039393, AA367788, AI799545,<br>AI635196, AC006530, AC005081, AC006312, U47924,<br>AC002352, AC006273, AC007227, AF064858,<br>AC002350, AL121578, AC005839, AC004477,<br>AC007773, AL021578, AC002301, AC004595,<br>AL031257, AC002558, AL031667, AL050332,<br>AC005015, AC007919, AC007993, AC006512, Z94801,<br>AL021366, AC005820, AC004686, AL035587,<br>AC007546, AC007199, AC002470, AC004890,<br>AC004905, AC009263, AC005041, AP000557, U82828,<br>AC005358, AC006480, AC004841, AC007051,<br>AP000269, AC007308, AC005971, AC008018,<br>AL031282, AL049569, AC005527, AC006285,<br>AC007371, AP000550, AP000103, AC007114,<br>AF111169, AC006430, AC005189, AC005274,<br>AC002349, AC002115, AL034423, AC007358,<br>AP000502, AC005539, AC002073, AP000010,<br>AC012627, AC005921, AL049776, AC006996,<br>AJ003147, AL031311, AC004883, AC003080,<br>AC004467, AC004685, AF055066, AL049697,<br>AL035448, AC004882, AL109628, AC006356, Z93017,<br>AL136295, AL121653, AC005857, AC005544,<br>AC005911, AC005529, AL049869, AC005258,<br>AL008582, AC007221, AC005064, Z84488, AC006111,<br>AL031431, AC003003, Z85996, AP000432, AL049636,<br>M90058, AC004623, AC004887, AC000159, AL022323,<br>AL034429, AC005562, AL049709, AL023513,<br>AC004000, AC008079, AL034379, Z49237, AC007298, |

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| | | | AP000115, AC007283, AC004552, AF038458, AC008273, AC005919, AC002425, AL049795, AC005783, AC005046, L44140, AC006115, AL021939, AC004383, AL031432, AC006538, AC005089, AC002996, AL035422, AC005913, AL020993, AC004554, Z98884, AP000961, AL034420, AC005300, AC000004, AC005747, AL121603, AC007193, AL021707, AC005940, AC007055, AC005345, AL031279, AL049761, AC016025, AC005335, AC005520, AC006128, AC002039, AL023575, AC005696, Z75744, AC008394, Z82244, AC004010, AL132642, Z83840, AL096774, AC007537, AL022163, AP000555, AC005630, AL080243, AL035681, AC006966, AC000070, AL035079, AL122020, AP000503, AC004024, AL035555, Z84469, AC007204, AC010206, AC008080, AL096775, AC006539, AC005901, AL031230, AP000553, AC008116, AC002310, AL031388, AC006211, AL049834, AC004812, AL024506, AF030876, AF047825, AL031466, AL022318, AC005953, AC005086, AL035659, AC006077, U95739, AC005900, AC005488, AC006042, AC005844, AC006057, AP000356, AC005229, AL033525, AC002119, AL121825, AP000513, Z97181, AC006130, AL049837, AL133245, AL035697, AC005772, Z98051, Z99128, AC006146, Z82215, Z97183, AL035462, AC005184, AC004526, AL139054, AC000085, AC004745, AC006058, AC005878 |
| 950 | HACCF57 | 875254 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 992 of SEQ ID NO:950, b is an integer of 15 to 1006, where both a and b correspond to the positions of | AI190289, AI269506, AI266578, AI269675, AW271406, H79201, AA252407, AA528568, AA370149, AC004968, AL020995, AC006475 |

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| | | | nucleotide residues shown in SEQ ID NO:950, and where b is greater than or equal to a + 14. | |
| 951 | HHPGU61 | 875261 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1288 of SEQ ID NO:951, b is an integer of 15 to 1302, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:951, and where b is greater than or equal to a + 14. | AL133938, W73204, W73155, AI805317, AA419206, AW173355, AI923361, AI189698, W93728, AI341123, AA569389, AA280531, AI050064, AI569599, AW271616, AA018580, W69901, AI537121, AI830730, AA648501, AI242641, W69902, AA291938, AI870690, AA458785, R16192, AI087886, AA878642, AA747631, R70090, AA747509, AA932013, AI472922, AW079067, AA419138, W93727, R70042, T06392, N40472, AI537448, F02745, T28656, AA971490, N48510, AI982637, AI784630, H82392, AW118143, R16193, H86484, D80096, Y00770, X66533, AF020340 |
| 952 | HFATS83 | 875269 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 457 of SEQ ID NO:952, b is an integer of 15 to 471, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:952, and where b is greater than or equal to a + 14. | |
| 953 | HAMFL51 | 875270 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 904 of SEQ ID NO:953, b is an integer of 15 to 918, where both a and b correspond to the positions of | AA337951, AA430987, AW023901, D31891, AF091628 |

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| | | | nucleotide residues shown in SEQ ID NO:953, and where b is greater than or equal to a + 14. | |
| 954 | HPLBS64 | 875271 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1669 of SEQ ID NO:954, b is an integer of 15 to 1683, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:954, and where b is greater than or equal to a + 14. | AW083230, W73245, AI805176, W72935, AI860873, AI811648, AI022957, AA126952, AW083518, AA810239, AW183807, AI568191, Z41829, AA368757, R49004, F02867, AI924800, AA764821, T85141, T88703, T03382, R01387, T83486, N99859, AA372901, T83338, AA927856, H95935, N70726, AI392721, AI955362, AC000357 |
| 955 | HHFGS83 | 875275 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 105 of SEQ ID NO:955, b is an integer of 15 to 119, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:955, and where b is greater than or equal to a + 14. | |
| 956 | HCQAI83 | 875276 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 337 of SEQ ID NO:956, b is an integer of 15 to 351, where both a and b correspond to the positions of | H95418, Z21176, AI341170, AA331619, AA332051, AI699036 |

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|---|---|---|---|---|
| | | | nucleotide residues shown in SEQ ID NO:956, and where b is greater than or equal to a + 14. | |
| 957 | HKIAB83 | 875277 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 361 of SEQ ID NO:957, b is an integer of 15 to 375, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:957, and where b is greater than or equal to a + 14. | R28559, R21765, AI440499, AW317012, AI936766, AA065268, W84822, T77368, AA114092, W84775, AA045419, AL034418, U80737, AF010227, AF016031, AF036892, AF012108 |
| 958 | HOUAT80 | 875278 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 543 of SEQ ID NO:958, b is an integer of 15 to 557, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:958, and where b is greater than or equal to a + 14. | AA862635, W72675, W93044, AA308526, AA877204, W93172, AI696392, AI572790, W77781, AI683779, AW087469, AW296863, AF086486 |
| 959 | HCUCG82 | 875279 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 332 of SEQ ID NO:959, b is an integer of 15 to 346, where both a and b correspond to the positions of | AW167842, AI057032, AA526539 |

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| | | | nucleotide residues shown in SEQ ID NO:959, and where b is greater than or equal to a + 14. | |
| 960 | HWLMY83 | 875280 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 760 of SEQ ID NO:960, b is an integer of 15 to 774, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:960, and where b is greater than or equal to a + 14. | AI620847 |
| 961 | HHGDB82 | 875281 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 887 of SEQ ID NO:961, b is an integer of 15 to 901, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:961, and where b is greater than or equal to a + 14. | AI744663, AI459158, AI399947, AI042501, AA005077, R76404, R76743, AI222161 |
| 962 | HHEMA27 | 875282 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1438 of SEQ ID NO:962, b is an integer of 15 to 1452, where both a and b correspond to the positions of | AI672414, AI122760, AI337912, AI090244, AW090300, AI623661, AI742232, AA149420, AI023964, AA975373, AI288904, AA890325, AI458424, W37573, AI984583, AA528775, N32562, AI358102, AW241694, AI038448, AI961291, AA576391, AI672071, AI018389, AA977874, W37448, AA315805, AW189392, H28241, H44349, AA612894, AI277548, H25318, R75904, H89551, AI373653, AA376906, AW366504, AI699774, H89365, AW172758, |

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| | | | nucleotide residues shown in SEQ ID NO:962, and where b is greater than or equal to a + 14. | AA345675, AA369319, AA369335, AA369205, AI791888 |
| 963 | HWLQS11 | 875287 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of SEQ ID NO:963, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:963, and where b is greater than or equal to a + 14. | T55228, AA129314 |
| 964 | HCRNO87 | 875288 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 772 of SEQ ID NO:964, b is an integer of 15 to 786, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:964, and where b is greater than or equal to a + 14. | AW392670, AW363220, AW372827, AW384394, AL119497, Z99396, AL042965, AL119319, U46341, AL119457, AL119324, AL119363, AL119484, AL119341, AL119391, AL119355, AL119483, AL119443, AL119496, AL119522, AL119396, U46351, U46349, AL134538, AL119335, U46346, U46350, U46347, AL119418, AL119444, AL042975, AL134533, AL042614, AL037205, AL134920, AL119439, AL043029, AL134532, AL134528, AL134531, AL119399, AL134518, U46345, AL042984, AL042970, AL042450, AL042542, AL043011, AL042544, AL043019, AL042551, AL119464, AL119488, AL043003, A81671, AR060234, AR066494, AB026436, AR054110, AR069079 |
| 965 | HCROJ83 | 875292 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1326 of SEQ ID NO:965, b is an integer of | AA932250, AA084323, AA081576 |

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| | | | 15 to 1340, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:965, and where b is greater than or equal to a + 14. | |
| 966 | HCQDD32 | 875296 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 870 of SEQ ID NO:966, b is an integer of 15 to 884, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:966, and where b is greater than or equal to a + 14. | AA903973, AI369389, AA192180, AA992672, AA973837, AA976064, AI420102, AI431269, AI074883, AI086258, AI718078, H21506, AA910919, AW388254, AA860627, AF196779, AC002470 |
| 967 | HDPQA93 | 875303 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1618 of SEQ ID NO:967, b is an integer of 15 to 1632, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:967, and where b is greater than or equal to a + 14. | AW385514, AI680084, AW383462, H71830, H71831, AA001764, AA079799, AW022882, H75407, AW371976, AI337917, AA001763, N77408, AW071441, AI819604, AI801942, AA090682, R73712, AA093185, AA766265, H71832, R98356, AW189924, R72364, AA938925, AA568662, AI985177, N54850, AI499252, N72625, AI657092, AI536615, AI141384, AI625581, AA079498, AI793057, H60272, AI220201, AA890506, AC000399 |
| 968 | HCQDT68 | 875304 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1578 of SEQ ID NO:968, b is an integer of | AI337917, AI985177, AI801942, AI499252, AW071441, AI625581, AA766265, AW022882, AA938925, AA568662, N94843, N54850, AI657092, AI536615, AI141384, AA079498, R98356, AA001764, AI684821, H71831, AI220201, R73712, N94856, C01783, R72312, AW189924, AI357243, AI819604, R89459, AI540471, AI680084, AA093185, AA090682, |

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| | | | 15 to 1592, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:968, and where b is greater than or equal to a + 14. | AI698429, AW383462, R72364, AW075583, AW385514, H75958, AW371976, N77408 |
| 969 | HE2RW42 | 875305 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1917 of SEQ ID NO:969, b is an integer of 15 to 1931, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:969, and where b is greater than or equal to a + 14. | AI973007, AA044726, AI912603, AW368067, AI591108, AI304361, AA629391, AA044763, AI693263, AI383983, AI765403, AI452690, AI765415, AW022807, AI687138, W15541, AI921849, AI039238, AA828440, N73899, AA460224, AW160328, AI342940, W31635, AA830160, AA603493, AI540328, H55741, AA913472, AA648460, AI378160, AA911784, AA974711, AI342224, AW129496, AI348335, AA478418, AA701478, AI689148, N64832, AI692531, AA602416, AW129495, AI619537, R94469, H88664, AA292403, AA402343, AW005495, AW129491, H57652, N75940, W05172, H55740, W03962, AW182981, N24346, AI289454, R20310, R94470, AI805703, R64266, H88710, H89663, R20717, AW235449, Z42099, AA010348, T30281, R44317, R57427, AA463788, Z38368, H03530, R46182, H89516, N75854, AA933035, Z20064, N75684, AW129490, AI867961, AA115343, A74487 |
| 970 | HAGDP04 | 875306 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 729 of SEQ ID NO:970, b is an integer of 15 to 743, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:970, and where b is greater than or equal to a + 14. | AA503363, AI860667, AW189824, N62619, R55787, Z41236, AB028992 |
| 971 | HWLRA80 | 875307 | Preferably excluded from the | R93889, AI123939, AA284726, AA948167, H82244, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:971, b is an integer of 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:971, and where b is greater than or equal to a + 14. | H61797, AA293426, AA293034, AL121270, AL036802, AW104724, AI349772, AL036396, AL040243, AL036146, AI568855, AW071349, AI348897, AI349645, AW162071, AI590128, AI758437, AW071417, AI625079, AL045500, AI538716, AI564719, AI433157, AI635461, AI620284, AW238730, AL119049, AI349256, AI868831, AI349004, AI433976, AW268253, AL119791, AL135661, AW074993, AI340582, AI349614, AI521012, AI500077, AI312152, AI345735, AI475371, AI567351, AI349933, AW103371, AI349937, AW074869, AW089572, AL045903, AL047042, AW301409, AI445432, AL120854, AL036274, AI440426, AI597750, AI064830, AI281779, AI636456, AL047763, AW148320, AI800453, AI800433, AW087445, AL036980, AI439087, AW303152, AI250293, AI678302, AI568870, AW169653, AI499463, AW274192, AI249257, AI682841, AI343112, AL048871, AI275175, AI702406, AI857296, AI702433, AI440239, AL038605, AI633419, AI498579, AI866002, AA508692, AI536685, AI497733, AI281773, AL121014, AI207510, AI274541, AI866608, AA613907, AL040169, AW068845, AI687728, AI269205, AI580984, AI684265, AI224992, AI469532, AI697137, AL121365, AI802542, AI613017, AL036759, AW026882, AW117882, AI282655, AI366549, AW071412, AL046849, AI349598, AI540832, AI271786, AL119828, AL038778, AI610307, AI631107, AI499393, AI818683, AW195957, AW301300, AI445025, AI285735, AI349226, AW268072, AI699857, AI815383, AI436456, AI906328, AL038779, AI687375, AI591311, AI920968, AI608667, AI281762, AI580190, AI628205, AI500659, AI500553, AI921379, AL120736, |

AI690835, AI753683, AL044207, AA640779,
AI863014, AI499131, AI432969, AI687376,
AI446628, AI690751, AW302992, AW183130,
AW075351, AI340519, AI492540, AI612913,
AW118557, AI754897, AI619502, AI969601,
AI783504, AL043326, AA225339, AI866780,
AI269696, AI934036, AI493248, AI686926,
AW168650, AI318280, AW166645, AI610645,
AL119748, AI888953, AI866887, AI475134,
AI679724, AW151485, AI539771, AL121463,
AI811863, AI873731, AI282281, AI679764,
AI434281, AI687415, AW080838, AI680113,
AI307570, AI524671, AL036361, AI673256,
AI671679, AI439745, AI874109, AI569616,
AI907070, AI570384, AI609592, AI859733,
AI583316, AI889203, AI799305, AI343059,
AA572758, AW167776, AI290154, AI567632,
AI597918, AI687127, AI636445, AI800411,
AW235035, AW085799, AI690480, AI862142,
AI934035, AI568854, AI149592, AI869367,
AI334902, AI919058, AI889839, AA528822,
AI872711, AL042753, AI811353, AW075207,
AI312542, AL036240, AI696398, AI560012,
AI345778, AW302965, AI818206, AI952114,
AW002342, AI799199, AI307466, AI620868, I48979,
I89947, AL117457, S78214, AF090934, AF113690,
AL122050, AL133640, AL133016, AL133606,
AF090903, Y11587, AJ242859, AF090900, AF090901,
AF113691, AF090943, AF078844, AF113013,
AF118070, AL110196, AF113694, L31396, AL050146,
L31397, AF118064, AL049452, AL050393, U42766,
AF125949, AF104032, A93016, AL110221, I89931,
S68736, AL049938, AL122093, AL117460, AL133075,
AL080060, AF113689, AR059958, AL050149,
AL137527, X84990, AF090896, A08916, AF106862,
AL050116, AF113676, AF113677, AL050108,

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| 972 | HWLRC80 | 875308 | Preferably excluded from the | AA516214, AA515728, R99613, H68343, AI281401, AL049466, A08913, AB019565, AL050277, AF113019, AL133557, AL049314, AF017152, AL096744, AL080124, AL137459, AF113699, Y11254, AL080137, AL137557, X63574, AL122121, I48978, AF111851, AL133565, AF158248, AL122123, AL137283, E03348, AL133080, Y16645, AF146568, AL133093, AL117394, AJ000937, U91329, AR011880, E07361, AF125948, X82434, AL050138, AL049430, AF091084, AL137550, AF097996, I49625, AL110225, AF079765, AL049300, E07108, AF177401, AL133560, A08910, A65341, AJ238278, A77033, A77035, E02349, AL049464, AF017437, U00763, A08912, A08909, AL122098, AL117435, AL117585, A03736, AL050024, AL049382, AL117583, Z82022, AL137271, AF087943, AL137648, AF183393, A58524, A58523, I03321, AL122110, AL049283, X96540, AL137538, U35846, AF067728, AF118094, X70685, S61953, X72889, AL133113, I33392, AL137521, AL137463, X93495, U72620, A12297, AF095901, U80742, X65873, AL080127, AC007390, AL121603, U67958, X98834, A08911, AL110197, AL137560, AL080159, AF061943, AR038969, AF110520, AF111112, AL096776, AF026816, AL133072, I09360, E05822, I42402, AJ012755, E08263, E08264, AC006840, A93350, AF091512, E15569, I26207, AL122049, AC006371, AC002467, AL133568, AL080074, AL050172, AC004093, AF026124, I66342, AF061981, AC006222, AF119337, E12747, AC004200, AF000145, AF057300, AF057299, AR013797, Y09972, U49908, AL133104, I17767, Y14314, AL137523, Z72491, AL137480, AC006336, AR000496, U39656, AL049776, I00734, Y10655, AC006039, AR038854, E00617, E00717, E00778, Z98036, AC004690, AF162270, AL133077, AL035587, AL022147, AF003737, U02567, AF111849, U68387, AL133014 |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 352 of SEQ ID NO:972, b is an integer of 15 to 366, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:972, and where b is greater than or equal to a + 14. | AA502098, AI636734, AA584183, AI078409,<br>AI439393, AA584493, AI798407, F08866, AA303165,<br>N69226, AW157731, AI567391, AA492114, AA610433,<br>AW381847, AW381904, AL045476, AW051819, R70884,<br>R48980, Z84466, AC006965, AC004991, Z93930,<br>AL035086, AC002302, AC006023, Z85986, Z97056,<br>AC002350, AL049872, AC007536, AL008718,<br>AL121603, AC007057, AC005529, AC006449,<br>AP000694, AC004895, AL049631, AC007199,<br>AP000692, AC002310, AC003689, Z84480, AC004383,<br>AC005527, AC006262, Z82243, AC002072, U95739,<br>AC005015, AC005011, AC002070, AC006146,<br>AC004000, AC007066, AC006236, AC005874,<br>AF134471, AC005332, AL133244, AC005089,<br>AL022238, AL133448, AL031283, AC008372, U91318,<br>AL009183, U63721, AL031584, AC002312, AC006571,<br>AC004593, AP000354, AF047825, AC009542,<br>AC002540, Z93023, AC006455, D87675, AC009330,<br>Z98742, AP000045, AC005740, AC004801, AC007371,<br>AC005826, AC004084, AP000355, AC005562,<br>AC006379, AC005971, AC004765, AP000065,<br>AL021155, AL078477, AL031432, AC004797,<br>AC006039, AF109907, AL139054, Z98052, AL132987,<br>AC006285, AL049760, AC006966, U91326, AL096701,<br>AC002544, AC007308, AC009247, AL049832,<br>AP000068, AP000501, AC005225, AF126403,<br>AC006530, AC005988, AC005005, AC004223,<br>AC002375, AC004933, AC000379, AF038458,<br>AC005702, U82828, AC004491, AC006111, AC005088,<br>AC005482, AC004686, AC000353, AC005753,<br>AP000509, AP000044, AP000112, AL118516,<br>AC000097, AC006547, AL079304, AL035089,<br>AC000025, AF001548, AC005632, AC005291,<br>AL050333, AP000555, AC004125, AP000116, U89337,<br>AL035407, AL021579, AC007130, AC004216,<br>AF030453, AC004805, AC008009, AC005484, |

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| | | | | AC007041, AL050318, AL096712, AC005231, AC005412, AC005620, AC003101, AL133371, L78810, AL079342, AC009509, AC005881, AC005023, AC004796, AL008730, AC004024, AF001550, AL021368, AL133245, AC004821, Z98946, AL022396, AC006487, AC007193 |
| 973 | HWBBH79 | 875309 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 397 of SEQ ID NO:973, b is an integer of 15 to 411, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:973, and where b is greater than or equal to a + 14. | AA653541, AA864815, AL035587, AC000025, AC005037, AC005527, AC006946, AF047825, AC004921, AC005529, AL031683, AF121781, Z99495, AC005071, AC005722, AC005484, AC007216, AL031255, AC005632, AC005288, AC002549, AC006238, AC004041, U95740, AL009031, AC002326, AC004913, AC005004, AC005829, AC004966, AL109628, AL050318, AL096702, AC004000, AC004655, AD000092, L78810, AL139054, Z85987, AL133245, AL109984, AC003663, AL078584, AC007055, AC006487, AC004491, AP000151, AC003041, AC005531, U91327, AL031657, AP000512, AC006117, AC005839, AF060568, AC005578 |
| 974 | HJMAF44 | 875310 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 929 of SEQ ID NO:974, b is an integer of 15 to 943, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:974, and where b is greater than or equal to a + 14. | AI346026, AI962859, AI913561, AI472009, AI310418, AW029442, AI299771, AA211594, AI926843, AW073920, AW002745, AI267539, AA328951, AI439422, AI025251, H89260, R64087, AA401091, R62957, AA443413, H58246, R63010, H02733, H03899, AI590100, H03888, AI174264, R26971, R82805, N50199, H02624, R26739, AI874342, AA709363, AA094718, D82321, AL133603, E16311 |
| 975 | HWLWT47 | 875311 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI652734, AA579977, AI655783, N75947, AI925248, AW372172, AC000386, AC008165 |

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| | | | is any integer between 1 to 705 of SEQ ID NO:975, b is an integer of 15 to 719, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:975, and where b is greater than or equal to a + 14. | |
| 976 | HWLVG85 | 875312 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 466 of SEQ ID NO:976, b is an integer of 15 to 480, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:976, and where b is greater than or equal to a + 14. | |
| 977 | HMVDQ41 | 875313 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1980 of SEQ ID NO:977, b is an integer of 15 to 1994, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:977, and where b is greater than or equal to a + 14. | AA403039, AA772356, AA890039, AA706235, AI796685, W56103, AA639769, AA707393, AI971384, AI400642, AI419056, AA931654, AI074056, AA725449, AI278287, AI051080, AA934509, AI056195, AI827412, AA291642, AA252870, AI278795, AI077777, AI344740, AA855074, AA287208, N99681, AA625359, AA707796, AI085793, AA910676, AI375275, AI277706, AA968653, AA482049, AI040845, AA004744, W56146, AA128102, AI038120, AA926651, AI808622, W42934, AI241340, AI419232, AA481865, AA938251, N62191, AI350660, AA846421, AA928335, AA987944, AA805065, AA325681, AI188852, AI266586, AA401330, AI022609, W37593, AI459456, AA514539, AA480369, AA938533, AA694474, AA694542, AA642598, AI085080, R55037, AI719065, AI022981, AI868718, N94983, AW204000, H62802, AA284488, AA125812, |

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| | | | | H62716, H41118, AA639530, T49454, T49455, H42251, T36167, AI350924, AA782685, AA252893, AI051453, R10302, AA214099, W86591, N76488, H42250, N59273, R36922, AA781103, AI191721, AA680383, H22403, N71946, W19456, R10303, AA977361, H22370, W42869, R55145, W37488, AI309601, R10631, R10632, N76744, AA213991, T24749, AA725118, R55007, AA090452, AI247921, AW028468, AI084241, H58310, AW058434, AL137496, I76236, I76219, AC005373, AC006584, AF111168, AC010205, V00589, X57170, AC007182, AC007221, AB019437, X06789, J00063, AF193582, AF193580, AF193585, AF193581, AF193586, AF193587, X71804, AF193590, AC006449, X83747, X83748, AF193588, AF193591, X71799, X71800, X71797, X71802, M10817, AC005409, X83746, X12811, AF193592, X12622, X16851, X58365, AC004787, AB015590, X04309, AF099810, AC005284, V00647, L49397, X58368, M35175, X04308, K01374, X58367, M74438, X83749, X63147, J01861, M13919, M13920, K01537, X63146, X63145, V01426, J01009, AC007955, AJ245808, AL050331, X56635, X56631, X63148, V00648, S73106, X56637, M13375, X56632, AB001499, AP000350, X56636, K03511, K03510, AB001495, AB001492, AB001493, AB001494, AB001498, AB001503, M13921, X05867, AB001501, M18680, AC006120, S73107, AF176349, AF176497, AF176498, AF176500, AF176499, X71805, AB007776, AB007777, AB007778, AB007779, AB007780, AB007781, AB007783, AB007784, AL031320, AF176501, X70229, M21177, AC002123, AJ009866 |
| 978 | HCQCM79 | 875316 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | N40168, AA903100, AA983690 |

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| | | | is any integer between 1 to 597 of SEQ ID NO:978, b is an integer of 15 to 611, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:978, and where b is greater than or equal to a + 14. | |
| 979 | HMSGP80 | 875319 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2483 of SEQ ID NO:979, b is an integer of 15 to 2497, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:979, and where b is greater than or equal to a + 14. | AI936477, AI760800, N51980, AI521742, AA209439, AI374694, AI214467, AI357082, AW242076, AA236684, AA907828, AA465245, AW007908, AA374833, T23960, AI933740, H44856, AA731295, H27880, AI312778, AA465602, AA526524, AA885259, AW130297, N53813, AW379545, AI902418, AI768812, A30438, I25947, U46128, L40401, AJ133038, AR040601 |
| 980 | HCRNJ78 | 875324 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 638 of SEQ ID NO:980, b is an integer of 15 to 652, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:980, and where b is greater than or equal to a + 14. | AL043536, AA853979, AI885906 |
| 981 | HWLOY24 | 875325 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI560615, AA806114, AI274667, AI972210, Z28533, AI249498, AW242125 |

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| | | | is any integer between 1 to 309 of SEQ ID NO:981, b is an integer of 15 to 323, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:981, and where b is greater than or equal to a + 14. | |
| 982 | HDQFG33 | 875331 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 389 of SEQ ID NO:982, b is an integer of 15 to 403, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:982, and where b is greater than or equal to a + 14. | AW009946, AW023737, AA868475, AA603869, AI439406, AW376950, AW376951 |
| 983 | HWBCW80 | 875332 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 754 of SEQ ID NO:983, b is an integer of 15 to 768, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:983, and where b is greater than or equal to a + 14. | W02027, N39337, AI630995, AI083528, AI697051, AI247382, N39162, AI271827, AA872265, AA490895, N29586, H26439, H63435, H50760, T94899, H61515, H69265, R00446, H63383, H68397, H65294, H71156, H62664, H50667, H81984, AI244094, H59693, H62019, H62018, H61498, AA233137, N73997 |
| 984 | HCRNL77 | 875336 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AL049780, AC007055 |

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| | | | is any integer between 1 to 120 of SEQ ID NO:984, b is an integer of 15 to 134, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:984, and where b is greater than or equal to a + 14. | |
| 985 | H2CBI34 | 875338 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1120 of SEQ ID NO:985, b is an integer of 15 to 1134, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:985, and where b is greater than or equal to a + 14. | AW149514, AI830822, AA313786, AA307529, T39891, AA460891, AW249187, W24503, AA295205, R85532, R85503, AI167901, AW058638 |
| 986 | HCYBD76 | 875341 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 733 of SEQ ID NO:986, b is an integer of 15 to 747, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:986, and where b is greater than or equal to a + 14. | AA443424, AA194021, AA305110, AA761642 |
| 987 | HKMMQ08 | 875346 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | W03527, AI554702, H68064, H30201, AF085882 |

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| | | | is any integer between 1 to 596 of SEQ ID NO:987, b is an integer of 15 to 610, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:987, and where b is greater than or equal to a + 14. | |
| 988 | HILCJ69 | 875347 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:988, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:988, and where b is greater than or equal to a + 14. | AA353719, AA369529 |
| 989 | HDPGF81 | 875355 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1467 of SEQ ID NO:989, b is an integer of 15 to 1481, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:989, and where b is greater than or equal to a + 14. | AI799722, AI800618, AI951795, AI361036, AI888307, AI805156, AI889480, AI801367, AI569988, AW338273, AI683381, AI742494, AI289074, AI683749, AI569761, AI433980, AI954055, AA480091, AI878983, AI889033, AI926831, AI581035, AA609522, AW243932, AI811191, AA661720, AI879485, AI598080, AI921223, AA435740, AI498981, AI858952, AI369785, AW157080, AI139320, AW150866, AI370294, AI805420, AI936090, AA847765, AI288335, AI433260, AI358099, AW163049, AI826358, AI678478, AI969161, AW051375, AW192450, AA631244, AA397622, AA877657, AI624185, AA773192, AA621805, AA877463, AI631324, AI688195, AI094479, AA069343, AA040109, AA953868, AA531056, AI748965, AI674371, AI254713, AA719907, AW243826, |

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| | | | | AA044254, AI538053, AW193214, AW087234, AI521053, AI923915, N52689, AW190439, H46483, W57690, AI620841, W02038, AA912451, AI474944, AI918208, T31139, AI561309, AA040108, N49760, T05793, AI926041, T05288, AI657169, AA044278, AA603591, T23448, F04322, AA069342, AA614022, W32237, AI878904, AA904818, H06128, AA523189, AI761161, AA905571, W57691, AA525537, AA594528, AA379468, H54737, AI872060, AW175844, AI801122, AL050221, X67209 |
| 990 | HUSGQ41 | 875356 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 401 of SEQ ID NO:990, b is an integer of 15 to 415, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:990, and where b is greater than or equal to a + 14. | AA480091, AI879485, AW157080, AI800618, AI799722, AA044254, AI951795, AI361036, AI888307, W57690, AA040108, AI805156, AI889480, AA069342, AA621805, AI801367, AA397622, AA379468, AI954055, AI289074, AI921223, AL050221 |
| 991 | HPMFC89 | 875360 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1266 of SEQ ID NO:991, b is an integer of 15 to 1280, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:991, and where b is greater than or equal to a + 14. | AA706817, AA773629, D51212, N32643, AI082719, AI264019, AI686227, AA922548, AI417059, AA814077, AA459575, AI804037, N23178, AI564799, AA459354, AI432439, W47132, AA410398, AI240317, W47094, AI540566, AI926061, AA588478, N36649, N26018, Z44328, AA804214, AA255499, AW378197, AA993408, AI287595, AA621390, AW362612, N33795, Z40279, AL041421, AA828013, AI565204, AA094833, N24918, AA722135, AW378140, AI758416, AA090679, AA252423, AA252368, AA314490, AI582604, AI379546, AA716597, AA256705, AC007279 |
| 992 | HWLWK37 | 875364 | Preferably excluded from the present invention are one or more | AI769545, AI083549, AA278686, AA969411, AW272214, AI810567, AW139507, AW450854, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1043 of SEQ ID NO:992, b is an integer of 15 to 1057, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:992, and where b is greater than or equal to a + 14. | AA888094, AA731153, N50114, T92516, AI686375, AA534901, AA814837, AI701783, AA688070, AA732661, AA651793, AA742239, AA905390, AW401639 |
| 993 | HSYAG49 | 875366 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1081 of SEQ ID NO:993, b is an integer of 15 to 1095, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:993, and where b is greater than or equal to a + 14. | AA447252, AI095481, AA452700, AW204320, AI276802, AI648576, AA338661, AI264425, AW301092, AI648446, AA642616, AA158010, R17628, AF050078, AF050079 |
| 994 | HAGFQ75 | 875367 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 364 of SEQ ID NO:994, b is an integer of 15 to 378, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:994, and where b is greater than or equal to a + 14. | AL008718, AC005899, AL109952, AP000112, AP000044, AL023494, AC005071, AJ003147, AC004836, AF196972, AL109758, AC004526, AC002430, AC002400, AC007384, AC005189, AL117338, AC003006, AL139054 |
| 995 | HCHMQ74 | 875371 | Preferably excluded from the present invention are one or more | AA305616, AW001611, AC006057 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 426 of SEQ ID NO:995, b is an integer of 15 to 440, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:995, and where b is greater than or equal to a + 14. | |
| 996 | HCQCL42 | 875372 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 208 of SEQ ID NO:996, b is an integer of 15 to 222, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:996, and where b is greater than or equal to a + 14. | AA836231, AI694593 |
| 997 | HHFOB15 | 875373 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 758 of SEQ ID NO:997, b is an integer of 15 to 772, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:997, and where b is greater than or equal to a + 14. | AA113257, AA159552, AW387067, AW338817, AI925565, AA847565, Z48314, AJ001402, U06711, AJ001403, AF054584 |
| 998 | HCRMB64 | 875377 | Preferably excluded from the present invention are one or more | AA777474, AI651999 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 538 of SEQ ID NO:998, b is an integer of 15 to 552, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:998, and where b is greater than or equal to a + 14. | |
| 999 | H2LAB72 | 875378 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 667 of SEQ ID NO:999, b is an integer of 15 to 681, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:999, and where b is greater than or equal to a + 14. | AA284111, AI633503, AI034282, AA584306, AI075794, W46891, AA676660, AI193416, AI918696, AA308007, AI023433, AA778751, W92702, AF154107, AJ245539 |
| 1000 | HE8OD44 | 875379 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 675 of SEQ ID NO:1000, b is an integer of 15 to 689, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1000, and where b is greater than or equal to a + 14. | AI963880, W42534, AI365508, W42487, AF088031 |
| 1001 | HCRMZ16 | 875380 | Preferably excluded from the present invention are one or more | R19693, R53125 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 529 of SEQ ID NO:1001, b is an integer of 15 to 543, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1001, and where b is greater than or equal to a + 14. | |
| 1002 | HWLMZ75 | 875381 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 455 of SEQ ID NO:1002, b is an integer of 15 to 469, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1002, and where b is greater than or equal to a + 14. | AI676059, AW170620, AW074092, AW073701, AI580870, AI523736, AW078677, AI923975, AI393326, AI700229, AW450814, AI671457, AA937534, AI889694, AW339423, AW291875, AA551874, AI682314, AI926227, AW238350, AW088471, AA397375, AI270662 |
| 1003 | HWLMT21 | 875382 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 529 of SEQ ID NO:1003, b is an integer of 15 to 543, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1003, and where b is greater than or equal to a + 14. | R42621, AA832189, AA521316, AA837180, R44106, H62203, N71094, H10053, AI913954, AA833669, N91131, AW025339, AA991917, AA687795, AI824854, AI379265, AI186373, AI971502, H05411, N75423, AA224317, AA588019, H92193, AI658599, AA948717, AI434941, AI823918, H59855, AI340614, AA865670, AA830938, AA815207, AI560789, AA621708, AW338454, AI187049, R16875, AA233166, AI660185, N34558, AA465672, AA040736, AA932524, AA677347, AI538271, AI656797, AI580706, AC003029 |
| 1004 | HCEMB73 | 875384 | Preferably excluded from the present invention are one or more | AI934461, AI689718, AI084857, R51423, N39408, AA199665, R17548, AI279271, AI290951, N48522, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 881 of SEQ ID NO:1004, b is an integer of 15 to 895, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1004, and where b is greater than or equal to a + 14. | H91945, R51311, AA323134, R18868, R42885, AI302336, D80493, AA723014, AF071086 |
| 1005 | HWLNF24 | 875385 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 749 of SEQ ID NO:1005, b is an integer of 15 to 763, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1005, and where b is greater than or equal to a + 14. | AI982642, AI453557, AW172431, AI094150, H52188, H63357, AA287032, T67010, T80642, H59262 |
| 1006 | HNHNC74 | 875388 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 339 of SEQ ID NO:1006, b is an integer of 15 to 353, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1006, and where b is greater than or equal to a + 14. | D80212, D81030, C14389, D80022, D59619, D80210, D80240, C14331, D80045, D80219, D80166, D58283, D59502, D80043, D80391, D80195, C15076, D59787, D59927, D59859, D80164, D59467, D51423, D51799, D59275, D80253, D80227, D80196, D80193, D80188, D57483, AA305409, D80269, C14429, D80366, D80038, D50979, D59889, D50995, D80024, D59610, D80378, D80268, D59695, D51060, D80241, D51022, AW179328, T03269, AW178893, AW177440, AA305578, C75259, C14014, D80134, D81026, AW378532, D80248, F13647, AW178775, AW369651, D80168, AW178762, D80949, AA514188, D80251, D80522, D58253, D51250, D80133, C14298, D80064, D80132, AW177501, AA514186, AW177511, AW360811, |

AW352158, C14227, AI910186, C14407, D81111,
C05695, D80247, AW352117, AW176467, AW375405,
AW377671, AI905856, AW366296, D80439, AW360844,
AW375406, AW360817, AW378534, AW179332,
AW377672, AW179023, AW178905, Z21582, D80157,
AW352170, D59373, D80302, AW378540, AW377676,
AW352171, D59627, AW178906, AW177731, AW177505,
AW178907, AW179019, AW179024, D51097, T11417,
AW352174, AW179020, AW360841, AW178909,
AW177456, AW179329, AA285331, AW178980,
AW177733, AW378528, AW178908, AW178754,
AW179018, AW360834, AI557751, AW179004,
AW367967, AW179012, D51213, AW178914, D51759,
AW378525, D51103, C14077, AW177722, AW177728,
D58246, D59503, AW179009, AW178774, AW178911,
AW378543, AW352163, D59653, AW178983, AW352120,
D58101, AW178781, D80014, T48593, D45273,
D80258, C06015, C03092, AW177508, AW177723,
AI535850, H67866, C14975, AW378533, D45260,
D80228, AW367950, AW177497, T03116, H67854,
AW378539, AA809122, C14344, AI557774, AI525923,
AW178986, T02974, D59474, D51231, C14046,
D51221, AW177734, AI525917, D59317, C14973,
D60010, D59551, AI525920, AI535686, AA514184,
C14957, D60214, T03048, AI525227, AI525235,
AI535961, H67858, C16955, AI525242, Z33452,
AI525912, AW378542, AI525925, AI525215, C05763,
AI525222, C13958, AW360855, A62300, A84916,
A62298, AJ132110, AR018138, A67220, D89785,
X67155, AF058696, Y17188, D26022, A25909,
D34614, A78862, AR008278, I82448, AB028859,
D88547, X82626, Y12724, AR025207, A82595,
A94995, AR060385, AB002449, AB012117, AR008443,
X68127, AR066482, I50126, I50132, I50128,
I50133, A85396, A44171, U87250, A85477, I19525,
A26615, AR052274, A86792, AR066488, AR016514,

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| | | | | AR060138, A45456, X93549, AR066490, I14842, Y09669, A43192, A43190, AR038669, I18367, AR066487, AR054175, A30438, D88507, D50010, Y17187, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, AF135125, D13509, A64136, A68321, AR060133, I79511, X72378, U87247, U79457, AF123263, AR032065, X93535, AR008382 | |
| 1007 | HCRNF23 | 875391 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 532 of SEQ ID NO:1007, b is an integer of 15 to 546, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1007, and where b is greater than or equal to a + 14. | | |
| 1008 | HFXKG78 | 875397 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 4001 of SEQ ID NO:1008, b is an integer of 15 to 4015, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1008, and where b is greater than or equal to a + 14. | AL038522, AL038523, AI656231, AL036827, AI636701, AI927512, AI364949, AW235702, AI651731, AI670933, AI672150, AW304454, AI419389, AI632738, AI912944, AI650485, AI523243, AW295423, AW193668, AI949144, AW243009, AW182958, AI751237, AI742823, AW303764, AI767587, AA908773, AI057544, AW002458, AI418398, AI766234, AA845469, AI824836, AI492365, AI480407, W72949, AL049021, AI573281, AI925304, AI392882, AW372998, AI697380, AA583048, AA417157, AI565074, AI831728, AI816887, AI375533, AA411115, AI129721, AI655002, AI224555, AI767867, AW130458, AI809236, AI357167, AA252022, AL039519, AI075011, AI299072, AI245162, AW299961, AI888502, AA994409, AW194333, | |

AI690922, AA938151, AW070493, AA411116, W74415,
N23604, AI221953, AA602575, AI811917, AI751236,
AI359310, AI039259, N24925, AI521595, AW197266,
AL135569, W26217, N29889, AA417035, AA554470,
AW044504, AA456270, AA679818, AI290272,
AI276409, AI423707, N42537, AW028471, R81905,
AI807058, AI554433, AW074118, AI357727, H10656,
AA581544, AW389416, AW339084, AI500169, H05880,
AW051853, AA206968, AI223834, AI376996,
AA454655, AI702899, AA989241, AA179471,
AI039744, R66934, H29952, H10657, AI905512,
AI889371, AA831961, AA013167, R60075, AI864062,
AA179545, AA664263, R81801, AI420823, W24240,
AW273094, AA223852, AW025301, AI355769, H02924,
AA609775, AW341188, AA883592, AI350607,
AW136375, AA298021, AA342023, AW135532,
AA889804, AI910384, AA598801, H04228, H02129,
R66935, AA780989, AI991758, AA248809, AA358737,
AA165472, AA095309, N23603, AI476559, R60015,
AA430224, AA432347, H29859, H77511, AW085318,
N33801, H02028, W79344, AA852581, AA852580,
AA297879, AA429648, AA298838, AI307394,
AA298495, AW364117, C16159, H77512, AI699272,
AA370057, AW276239, AA224135, AA298910,
AA987876, AA082377, AI470432, AI274422, H98159,
H05773, AI867279, T73175, AA342024, R39484,
F34597, AA732321, AI625037, AW166595, R27681,
R80024, AA089953, AA358736, T73077, D11682,
AA252093, AW166602, AA298907, AA179495, R79934,
AL039520, R27582, D62938, N48852, AA179467,
AA213504, AA249343, AA279006, AW084308,
AA165392, AI933446, AA782244, AA626274, D59405,
AA837082, AA593200, AA936036, D82688, R57332,
W79444, C02511, T27327, F13640, AA213432,
AA622115, AA278207, AA094933, AA095138,
AA298976, F32043, AI926085, AI969655, AI561356,

AW089275, AW089844, AI002285, AL047100,
AI815855, AI627714, AI500061, AI433157,
AI702073, AI633125, AI698391, AI918435, D87684,
AC006336, U95739, A77033, A77035, I89947,
AC004093, L13297, AJ005690, AL137480, AL117443,
AL080110, AL137627, AL137459, AF061981,
AL133568, AL080156, AL137550, M92439, AR038854,
AF090900, AF126488, X87582, AF180525, AF090901,
I48978, AC007559, AF090934, AL080159, Y14314,
A03736, X82434, AL117435, AL049283, AL137529,
Z97214, S78214, S82852, AF090903, AL137533,
A08907, AL080148, A15345, AL137530, AL137523,
AF057300, AL137271, AF057299, AF177401, I32738,
AL133112, AL117463, A08913, AF111849, AL137539,
AL110225, AF087943, Z82022, AL137488, A08912,
U35846, U88966, Y16645, A65341, AF047716,
AL050149, AF125948, AR011880, X72387, AL049996,
X63162, AL133049, I33392, A08910, AJ012755,
E12747, A08909, AF065135, AL137478, AL122104,
AC007390, AF113677, AF175903, AF153205, I30339,
I30334, I09499, AL137294, AL050366, A08911,
A08908, AL133640, A76335, AF118090, AF031147,
AL096744, U42766, X72889, D83032, U67958,
AF113699, S77771, AL023657, AL110228, AL133113,
S76508, AL049347, AL022147, AF113019, S78453,
AJ238278, AL133560, AR013797, AF126247,
AF067728, AL122100, AL137275, AL122118, E01614,
E13364, AB029065, AL080163, I89931, AF100931,
AL049382, X70685, AL117416, A49139, AF183393,
AL117460, AL050138, AF104032, I08319, I49625,
AL117648, AL122110, AL035458, AF031903,
AF210052, AL137538, AF039138, AF039137,
AL080057, AF102578, A21101, Z35309, AF026816,
AC006039, AL133558, Y11587, X83544, AL133088,
U90884, AL133067, AF026124, Y09972, AL122045,
L04504, AL117457, AF061943, AL137292, I48979,

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| | | | | S36676, E05822, AJ000937, AF111851, E08631, AF185576, AR034821, AL110280, AF146568, A18777, S61953, AL110171, X98066, AB016226, AF017437, AF022813, A08916, E02349, I52013, U68233, I92592, AL133075, AL049466, AL133061, AL137476, D16301, AL133665, AL133080, AR020905, A18788, AL137526, AL133093, AL110158, AL137558, AF158248, S68736, U91329, I89934, AC006313, AF106862, AF113694, AL137283, X79812, AL050277, D44497, AL050172, AL117583, AL080162, AF151109, U66274, A58524, U68387, AL080126, AF139986, AL122121, AF032666, U54559, AL122049, AL049339, AL110196, AL110197, X89102, A12297, AF079763, M27260, A58545, AC004797, I68732, I35495, A58523, AF067790, AF182215 |
| 1009 | HFPFG11 | 875402 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 387 of SEQ ID NO:1009, b is an integer of 15 to 401, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1009, and where b is greater than or equal to a + 14. | D61574 |
| 1010 | HCROG59 | 875405 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 742 of SEQ ID NO:1010, b is an integer of 15 to 756, where both a and b correspond to the positions of | AI275431, AI168345, AA406609, AI280460, AA411636, AI627293, AI628781, AI241297, AA317871, AA598485, AI360110, AI968510, AI498174, W02842, F34577, AI697614, AW079061, AI200289, AI804773, AA502751, AI694751, AW173045, AW300325, T49800, H85591, AA993934, AA468896, AA098853, H86495, AA039749, AA889681, AA909667, W87459, AI764965, AW083698, AC005746 |

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| | | | nucleotide residues shown in SEQ ID NO:1010, and where b is greater than or equal to a + 14. | |
| 1011 | HLYBH74 | 875406 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 379 of SEQ ID NO:1011, b is an integer of 15 to 393, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1011, and where b is greater than or equal to a + 14. | |
| 1012 | HBGNK79 | 875410 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 924 of SEQ ID NO:1012, b is an integer of 15 to 938, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1012, and where b is greater than or equal to a + 14. | AI831961, AI650845, AW196692, AI824849, AI620989, AW236312, AI918000, AA478378, AI355547, AA610722, AI276362, AI401116, AW149595, AI689357, AI382635, D80414, D80923, AI341250, AI916173, AA902403, AA558991, AA992619, C21278, AA384679, AI800639, AA282083, AA232733, AA768615, R08289, AI089271, W96084, AA701943, AA505078, AW026456, AW051814, AI291876, AA858118, AA813011, AI204546, AI560812, AW130435, AI300180, AI418276, AI560743, AI992293, AA905625, AA846821, AI091612, AA402002, W19987, R94479, AA522719, T86974, T79403, AI703226, H54573, H38643, AA854918, H60026, H96792, T90553, N23206, R94069, N55455, AI221349, AI356940, AW008254, AI149942, AI362691, AA247535, AW128861, AA975506, N56269, N29785, W96085, AL031033, AB018288 |
| 1013 | HCQCX73 | 875415 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI761623, AI991188, AI027577, AA583168, AI298597, T48782, AA713860, AW080531, AW007085, AA894812, AA911322, AW338854, T74766, AF129812 |

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|---|---|---|---|---|
| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1013, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1013, and where b is greater than or equal to a + 14. | |
| 1014 | HWLQG73 | 875416 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 218 of SEQ ID NO:1014, b is an integer of 15 to 232, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1014, and where b is greater than or equal to a + 14. | AI610362, AW149925, AI270183, AI570989, AI802542, AL045500, AI624543, AL041862, AL042628, AL046926, AI570807, AL045266, AI923989, AW082113, AI932794, AL036638, AI499285, AI698391, AI433976, AI889189, AI433157, AW151136, AI815232, AI539771, AI582932, AI537677, AI500659, AI554821, AI269862, AI274508, AI801325, AI500523, AI284517, AI500706, AI445237, AI491776, AW151138, AI521560, AI500662, AI284509, AI889168, AI866573, AI554344, AI633493, F27788, AI434256, AL042745, AW022682, AI888661, AI284513, AI888118, AI440252, AI805769, AL121286, AI950892, AL045774, AL049085, AI452560, AI648509, AI569583, AI288285, AL042551, AW079572, AI491852, AI917252, AI927755, AI571439, AI364788, AI439745, AI610895, AI470648, AI468872, AI624548, AW104836, AI554245, AL042627, AI497733, AI889147, AI636588, AL048323, AI344785, AI591420, AI569579, AI539028, AW301409, AI611738, AI811785, AL040243, AL046942, AI648502, AI620284, AW268220, AA806720, AI334450, AW071417, AI308032, AL045903, AI866770, R36271, AI345557, AW029611, AI866510, AI612913, AI494201, AI254731, AI584140, AI537515, AI679179, AL036901, AW051258, |

AL079977, AI619502, AI890223, AL047763,
AI564719, AI281772, AL048340, AW268122,
AI866090, AW167918, AL047675, AI677796,
AW118518, AW088899, AW026882, AL042787,
AL134830, AI275175, AI826225, AI670009,
AI539847, AI702073, AI306705, AL119748,
AI923370, AW190042, AI564259, AI610402,
AW194441, AI633125, AI963846, AI499463,
AI801152, AI915291, AI926790, AI874261,
AW020561, AL039276, AI432656, AI632408,
AI798456, AI433037, AI824576, AI933589,
AI635067, AL045620, AL037454, AL048312,
AI934011, AI564765, AI630928, AI874166,
AI687287, AI815855, AA225339, AI273085,
AI620003, AI288305, AI249375, AI678357,
AL045163, AW073994, AL039086, AI889953,
AI345416, AI273843, AI345612, AW023859,
AI440239, AI932966, AI571909, AW132056,
AI702068, AI174394, AI628331, AI869367,
AI683099, AW080746, AI952920, AI436429,
AI434134, AI345415, AI335209, AI280732,
AW169604, AI431909, AI829327, AI432666,
AI862144, AI349598, AI537273, AL119399,
AI886753, AW269097, AI436456, AI872300,
AI539153, AI627988, AW151729, AI889376,
AW129659, AL036403, AI524671, AI567940,
AL134999, AI521012, AI802833, AI699011,
AI955866, N80094, AI817244, AI521596, AI934035,
AI285448, AW083804, AW087445, AW166583,
AW050522, AI956080, AW131294, AI345347,
AI285826, AI579901, AI863014, AI251221,
AI521594, AI890833, AI916419, AI499512,
AW163834, AL119863, AI340603, AI889133,
AI921248, AI500061, AI306613, AL047422,
AI922901, AI567993, AI932638, AF106862,
AL122049, AF090900, AL122110, Z82022, I89947,

I48978, AL117435, AL137271, AL133557, AL080124,
AF113019, A77033, A77035, I48979, U35846,
AL133560, AF113677, AF158248, AJ238278,
AL117457, A08916, A65341, AF017152, X93495,
AL137550, A08910, A08909, AL133080, AL049382,
AF067728, AL122098, AF104032, U67958, AL080159,
AF113691, AF090903, AL110221, AL133075,
AL133072, A08913, AF017437, AF118094, AF177401,
U80742, AF113694, X82434, Y16645, AJ012755,
AF091084, AF183393, AL050116, AL133077,
AF078844, AF113690, AL049452, AR059958,
AF000145, AF090934, AL137557, AF111851,
AL137538, AL117460, X72889, I03321, AF118070,
AL137463, U42766, AL122121, AR011880, AF026124,
AL050108, E07361, I89931, AL137560, AL133016,
AL096744, S68736, AL050393, A03736, U72620,
A58524, A58523, I49625, AL133640, E02349,
AL133565, AF090943, Y11587, AL122050, I33392,
AF113013, AL122093, AF057300, AF057299,
AL110280, AF081197, AF113699, AL137459,
AL050149, AF113676, AF090896, AL050138,
AF061943, AB019565, AL117583, X84990, AL117585,
AF125948, AF090901, AL133113, AL122123, U49908,
AL049466, E03348, AF113689, AJ000937, Y14314,
AL137521, AC004686, AF087943, AL049314,
AL050277, AL133014, S78214, AF026816, AF003737,
I42402, A93350, AC002464, AF097996, Y11254,
AL049430, X70685, AL050172, AF185576, X63574,
X96540, E15569, AF162270, I09360, AL050024,
AL110196, U00763, I26207, AJ242859, AL080127,
L31396, X65873, AL133606, AF079765, L31397,
AF119337, AL049464, AL110197, AL117394, A12297,
AC005156, AL133067, E07108, AL080060, AL049938,
AF146568, AL080137, AF081195, AL049300,
AF118064, L30117, AL137648, AF125949, AL050146,
AL110225, A93016, AL133093, AL049283, A08912,

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| | | | | AL137527, AF111112, AL137556, Z82206, AC004822, AR000496, U39656, E08263, E08264, Z84814, AL034417, AC006222, AL137533, AL117440, AL137292, AF153205, E02221, AL137480, X98834, AC004383, AC007056, AC007458, S61953, AL137526, AC005048, AL110222, AF061573, U91329, AC009501, AC004594, AR038969, AL080148, AL137476, AL133104, AC005488, AF111849, AR038854, AL133098, Y09972, AF008439, AC006112, AC007392, U58996, AF079763, X53587, AL137283, L19437, AC003001, AC006115, AL133568, AJ006417, AL022165, I00734, AL080074, U66059, A07647, E08631, E00617 |
| 1015 | HMSIB72 | 875417 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of SEQ ID NO:1015, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1015, and where b is greater than or equal to a + 14. | H75975, AA431948, AI453095, AW183431, H97697 |
| 1016 | HWLMC85 | 875418 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 860 of SEQ ID NO:1016, b is an integer of 15 to 874, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1016, and where b is greater | AI023512, AI985187, AA206421, AA858212, AW268700, AA374096, R66513, AW268978, AI003582, AI087966, AW303698, AI222672, T87896, R84690, D62434, N99668, D59600, AF131768 |

| | | | than or equal to a + 14. | |
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| 1017 | HCRNH72 | 875419 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1273 of SEQ ID NO:1017, b is an integer of 15 to 1287, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1017, and where b is greater than or equal to a + 14. | AI985187, AW268700, AA206421, AA858212, R52339, AA740228, AI023512, AA749275, AI222672, AW303698, T87896, R66513, D51928, R67347, R84690, Z39964, F03134, N43996, R40370, AA503490, D62434, D51716, R39023, N99668, C02069, AA374096, D59600, AF131768 |
| 1018 | HSDHD72 | 875423 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 448 of SEQ ID NO:1018, b is an integer of 15 to 462, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1018, and where b is greater than or equal to a + 14. | |
| 1019 | HCQAB70 | 875425 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 352 of SEQ ID NO:1019, b is an integer of 15 to 366, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1019, and where b is greater | N27979 |

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| | | | than or equal to a + 14. | |
| 1020 | HCQDN71 | 875427 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 736 of SEQ ID NO:1020, b is an integer of 15 to 750, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1020, and where b is greater than or equal to a + 14. | N94198, AA136314, H90781, H83190, R09097 |
| 1021 | HCQCQ73 | 875428 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1319 of SEQ ID NO:1021, b is an integer of 15 to 1333, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1021, and where b is greater than or equal to a + 14. | AI799085, AI472055, AI928190, AA805656, AA813952, AI439157, AI004303, AI061354, AI858450, AA825684, AI249804, AA251281, AA761496, W26450, AI636131, AA573512, W02895, AI355020, AW369621, AW369637, AI367189, AI904017, AI904022, AI521039, T61456, T25898, AI904093, AA911766, AW390240, AI904090, AC004955 |
| 1022 | HCQAW10 | 875429 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 551 of SEQ ID NO:1022, b is an integer of 15 to 565, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1022, and where b is greater | AC004013, AJ010770 |

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| | | | than or equal to a + 14. | |
| 1023 | HCRNE71 | 875433 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 511 of SEQ ID NO:1023, b is an integer of 15 to 525, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1023, and where b is greater than or equal to a + 14. | AA969932, AC000048, AR001316 |
| 1024 | HWLNY71 | 875434 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 894 of SEQ ID NO:1024, b is an integer of 15 to 908, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1024, and where b is greater than or equal to a + 14. | AA147981, AA687815, AI434923, AA747023 |
| 1025 | HTXSH02 | 875437 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1025, b is an integer of 15 to 421, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1025, and where b is greater | AI393917 |

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| 1026 | H2CBL70 | 875440 | than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 873 of SEQ ID NO:1026, b is an integer of 15 to 887, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1026, and where b is greater than or equal to a + 14. | AL135150, AA436897, AA307476, AA461263, AA626419, AI693521, D79997 |
| 1027 | HNFFQ01 | 875441 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 447 of SEQ ID NO:1027, b is an integer of 15 to 461, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1027, and where b is greater than or equal to a + 14. | AA024940, AA311483, AA085629, AF008442, AF047441 |
| 1028 | HCRMD70 | 875442 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 909 of SEQ ID NO:1028, b is an integer of 15 to 923, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1028, and where b is greater | C14427, C14394, D80309, AA912463, D80304, AI002558, D59721, C14215, AA455562, AW366372, N75779, T99953, AI803887, AI811603, AA808175, AI440263, AI241901, R41605, AW055075, AL040207, AI581033, AI345688, AI623941, AA908294, AA641818, AI567582, AW161579, T66952, AI741158, AI571439, AI540674, AI254226, N29277, AL040161, AL135047, AI587000, AI866465, AI252077, AL080011, AI299303, AL039716, AI435999, AI590043, AW274192, AW160905, AL038069, AI557104, AW078606, AA648402, AW022636, |

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| | than or equal to a + 14. | AI285514, AL041150, H41759, AA580663, AW074702, AA830406, AI954293, AI219380, AW020710, AI567971, AI891125, AI621341, AL048323, AW149876, AI250627, AW020373, AL048340, AI923989, AI818574, AA928539, AW089844, AI784233, AI002285, AI273791, AI915291, AI859991, AW020095, AI798456, AI924051, AL046944, AI473536, AI700158, AI919500, AW079432, AW059828, AL047005, AI619587, AI249497, AA857847, AI698391, AL036705, AW075382, AI683395, AL047100, F37323, AI345415, AI679959, AI815232, AI702527, AI811840, AI446538, AI628325, AI133475, AW021717, AI887430, AW265004, AI590943, AW300782, AI349012, AI682640, AI827154, AI318603, AI439527, AI251485, AW300889, AI279925, AI589428, AI612852, AL042098, AW021256, AW303152, AW087455, AW083826, AI114461, AI148113, AI742728, AI476480, AW020397, AI633125, AI927233, AW161156, AI287233, AI538805, AI345778, AI801325, AL120695, AW148841, AI491852, AW152182, AW162189, AI590630, AW027898, AW118353, AI500514, AA641644, AI611717, AW161202, AI436438, AW089221, AI738854, AI656270, AW161098, AI096432, AI921197, AA587590, AW410302, AW020415, AI670009, AW051059, AI289310, AW059766, AW168828, AI521005, AL043152, AI890907, AI804505, AI491904, AA693354, AI394522, AI282346, AI524608, AA806534, AA665669, AI918554, AI860476, AI669639, AI557238, AI620944, AL121365, AA769318, AW002807, AI691131, AI538885, AW023072, AI587121, AI570884, AW022084, AL039430, AI918449, AI291601, AI345557, AI889147, AI638644, AI687130, AW198090, AI679506, |
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AI811192, R20540, N49165, AI567961, AI537244,
AW157096, AA652505, AI924686, AW019988,
AI648454, AI797538, AI274515, AI679452,
AW050781, AI889189, AW162194, AI524654,
AI536685, AI280751, AI538564, AI352274,
AI797908, AW090206, AI282930, AW023859,
AI471909, AL134712, AI624993, AA809897,
AI432644, AW188595, AI690813, AI524179,
AC005968, S63521, Z72491, AF079763, AL110296,
U72621, I32738, J05277, AF159148, AB016226,
AL137550, AL133640, X06146, AL117435, I48978,
AL137271, AL137281, AF158248, AL133067,
AF210052, AB029065, AC004213, U95114, AF090886,
AL133112, X65873, AF113690, AF145233, AL117626,
AL050280, I33392, AF069506, AF031147, AL133558,
AF090901, A65340, X70685, X72624, AF141289,
AL050172, AF177401, AF077051, AL117648, X60786,
AL137560, U55017, AF111849, X67688, AL137529,
AF039138, AF039137, U92992, AL137284, AJ010277,
A77033, A77035, M85164, U42766, AL110218,
AR038854, AF175903, I09499, AL137267, A08910,
A08909, Y11254, X63162, AF090900, S36676,
AF097996, I52013, X86693, AL137555, AF043642,
AF106862, A08908, AF118090, I46765, AF017152,
AF146568, AF042090, AL035458, AL122110,
AL050116, AL133010, AL122123, U49908, A08907,
AL137530, AL137459, AL096744, AJ005690, Y10655,
AF118094, AL137557, AP000020, AJ000937, Y10936,
AF036941, A76335, E12580, U62966, AL137547,
AL137658, AF115410, AC007172, AF167995,
AL049283, AL122104, M27260, AL137533, AL080156,
AF044323, AL096751, X63410, AR020905, AC002464,
AR068753, AL137258, AF183393, AF142672, A08912,
S77771, A03736, AF182215, D16301, A08911,
E12747, A18777, AF113019, AL122103, AB031064,
I48979, AL133080, AF153205, E12579, AL122100,

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| | | | | U87620, A07647, AF180525, AL080148, U35846, AF104032, AL137479, AL137537, AF113694, AF111851, Y09972, Z30970, I68732, AR011880, S76508, A21101, I89947, A08913, S75997, AL133104, A76337, AJ001039, X52128, X84990, M96857, I26207, AL096728, L04504, AF061573, X72889, A18788, AL133665, AF078844, I89931, AF091084, A91160, AL137558, A91162, AR068466, X53587, L24896, I89934, I89944, I49625, AF082526, AF087943 |
| 1029 | HWLWX54 | 875446 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 477 of SEQ ID NO:1029, b is an integer of 15 to 491, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1029, and where b is greater than or equal to a + 14. | AA917956, AI078015, AA625053, AI308830, AI348305, AI301350, AI343797, AW339860, AA837028, AI275863, AI025643, AI025649, AJ236591 |
| 1030 | HDTBL01 | 875452 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 919 of SEQ ID NO:1030, b is an integer of 15 to 933, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1030, and where b is greater than or equal to a + 14. | AA203532, AI885145, N93693, N41419, AA025727, AA845624, AA004723, AI659644, AA854840, AW027228, AI741432, AI924412, AI096633, AA775840, AI799560, AA861825, AI086427, AI609775, AI332770, AA043284, AI147012, AI093396, AI334098, AW339068, N36820, AI127039, AW152492, AI310403, AI479699, AI333810, W37902, AI026761, AA779438, AW016793, AA846751, AA883270, AA043623, AA768520, AA481110, AA595137, AA599087, AA004625, W21031, AI493429, AA705148, AA729311, W69693, AI609767, F24839, AI309955, AA147299, AA394002, AA725144, AA847834, AI028144, AA284640, F36989, AI015001, W46526, AA577464, AI074328, AI199865, AA719946, |

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| | | | | AI368754, N46038, AA700697, AI249119, AI284226, AA399341, F26291, H66106, AA639243, AI198805, W37962, AI863889, AI364330, AA639095, H95487, AA834779, AI204589, AA504802, AA480281, W16986, AI300686, H66059, AI184257, H22374, AI357340, AW264139, AA638994, AA025726, H93397, W05101, R33568, AA386074, AI268427, AA731877, H94967, AA282671, AI310952, H81961, AA846871, AA907906, AA983160, AA317755, AI088526, AI033455, AA304404, AA834753, N74712, R33466, N92916, W04851, C03398, AA593219, AA356363, AI095031, AI707597, AW162955, AA147187, AI968038, H93396, T25738, AL137489, AI262007 |
| 1031 | HTHDF09 | 875458 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2701 of SEQ ID NO:1031, b is an integer of 15 to 2715, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1031, and where b is greater than or equal to a + 14. | AI453608, AA114992, AI625087, AI917616, AI697653, AI685132, AA214568, AA938187, AW440559, AI033684, AI280879, AI802985, AW402513, AI765128, AW340123, AI081775, AI089556, AI912727, AI191349, AW237567, AI631607, AA629942, AW439252, AA261781, AI457255, AA677426, AI333330, AA594467, AI871604, AI373583, AA664286, AA648405, AA827076, AI168766, AA253066, AI701917, AI890800, AA115482, D60531, AI469082, N95713, AA663041, AI991576, D81517, AA256425, N34227, AA152336, AI160622, AA771763, AA253031, AI222942, AI202632, N26907, AI275770, AI493287, AI767194, AA279479, AA410856, AA148856, AA243606, AA476875, D60530, AA644615, AW418516, D80813, AA256537, C15455, AA329211, AW418997, AI678343, AI095736, AW083585, AA732584, AW172545, AI306494, AA370336, AI215414, AW025846, T55154, AA136197, AA361218, AA738345, D61320, R21425, R21424, R27634, W24870, U46294, D61007, AI268096, AI383220, AA625241, R30798, AI300612, N39793, AA122368, N56522, AA136036, AA213493, AA587977, D19821, AI674553, AW084191, |

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| | | | | AW338833, AA092089, AA418952, AA846916, T08238, AA370335, AA403140, AA403169, AA298076, AB035725, AF155568, AL109618, AF037448, AF093821, R48826, R98718, R98717, AA164785, AA180971, W25910, W26190, AA094508, AA211559, F20745, Z28918, AI124677 |
| 1032 | HOHAD26 | 875460 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2355 of SEQ ID NO:1032, b is an integer of 15 to 2369, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1032, and where b is greater than or equal to a + 14. | AA188195, AI472757, AA307374, AA186327, AI267372, W38408, AW389218, AA403169, AA313602, AA411147, AW363698, AA403140, AA465343, AA418952, AA411148, AA465413, AA130302, AI566089, AA150638, AI674553, AI289939, AA654252, AI263768, AW178047, AA306863, AI685132, AA207215, AI765128, AI682619, AI084864, T89722, AA164877, AI810057, W92251, AA164876, AI984419, AW003149, AI581394, AA045158, T35450, AA662966, AA130625, AI625087, AA912195, AA995153, T89635, AW341721, AW293378, AI749465, AA130793, AW440559, AA524815, AW085400, AA298076, AW408715, M61969, T39242, AA363926, T89820, AA164208, AA164209, T05188, W39501, R29647, AW361274, AA356549, AI768414, H20250, H20236, H50487, AA401271, AW402513, AA216046, AI493748, AA094744, D12117, AI672427, AA401274, AI991547, D12266, AA885324, AA340617, AA629942, AI270496, AA045116, T89909, AI597900, AI337035, AA370336, AA677426, AI091687, AA142968, W36280, AA594467, AA134141, AA594120, H20156, AA969126, AA664286, AW294501, AI399871, AA613072, H20141, AW183508, AI110749, N56522, AI469082, AF037448, AF155568, AB035725, AF093821, AL109618 |
| 1033 | HWLQB70 | 875461 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AL046056, AC005829, AC003108, AL049872, AB028893 |

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|---|---|---|---|---|
| | | | is any integer between 1 to 335 of SEQ ID NO:1033, b is an integer of 15 to 349, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1033, and where b is greater than or equal to a + 14. | |
| 1034 | HCRNJ70 | 875462 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 833 of SEQ ID NO:1034, b is an integer of 15 to 847, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1034, and where b is greater than or equal to a + 14. | AA516030, T93186, R48202, AF086709 |
| 1035 | HCHAN69 | 875463 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 521 of SEQ ID NO:1035, b is an integer of 15 to 535, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1035, and where b is greater than or equal to a + 14. | |
| 1036 | HDPXJ69 | 875468 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AL022329 |

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| | | | is any integer between 1 to 511 of SEQ ID NO:1036, b is an integer of 15 to 525, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1036, and where b is greater than or equal to a + 14. | |
| 1037 | H2CBP05 | 875474 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 986 of SEQ ID NO:1037, b is an integer of 15 to 1000, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1037, and where b is greater than or equal to a + 14. | AA307783, AI928487, AA452227, AA482088, AI394278, AI675154, AI676034, AW364878, AW139920, AI682476, AI347851, AA642892, AA479940, AI091053, AI870992, AI039477, H63416, AI174745, AA002093, AA399509, H00628, R10916, R82783, AA002220, R10231, H63472, AA398368, AI758130, AA478844, U47346, AI864528, AI992031, AA644394, AW207298, AA812485, AA523934, AI202717, C04105, R10969, T49897, AA481986, AL096740 |
| 1038 | HWLNO16 | 875475 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 559 of SEQ ID NO:1038, b is an integer of 15 to 573, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1038, and where b is greater than or equal to a + 14. | AI761312, AW372642, AI343498 |
| 1039 | HCROC40 | 875477 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | N52878, N58847, T93808, T75554, T75553, AI698057, T93860 |

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| | | | is any integer between 1 to 907 of SEQ ID NO:1039, b is an integer of 15 to 921, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1039, and where b is greater than or equal to a + 14. | |
| 1040 | HWLWW31 | 875478 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 367 of SEQ ID NO:1040, b is an integer of 15 to 381, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1040, and where b is greater than or equal to a + 14. | AW022883, AA195765, R70828, AF195418, AB025412 |
| 1041 | HWLOU12 | 875479 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 748 of SEQ ID NO:1041, b is an integer of 15 to 762, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1041, and where b is greater than or equal to a + 14. | AA307716, AW450491, T68887, AI739472, AA081624, AW196447 |
| 1042 | HPTTL69 | 875481 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AW014954, AA576626, AI765244, AA705936, C00580, AI280144, AI541388, AI799766, AI720050, AI535888, AI535850, AW079508, AI435666, AI309090, AI284672, AI284682, AI792879, AI733975, AI251416, AI254026, AI307028, |

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| | | | is any integer between 1 to 382 of SEQ ID NO:1042, b is an integer of 15 to 396, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1042, and where b is greater than or equal to a + 14. | AI792738, AI252565, AI284703, AI252100, AW271923, AI308032, AI344785, AI270983, AI265738, AI254443, AW303109 |
| 1043 | HT3BA65 | 875484 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 482 of SEQ ID NO:1043, b is an integer of 15 to 496, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1043, and where b is greater than or equal to a + 14. | AA380983, AA542870, AA411590, AA283721, AI961232, AA211734, AI364760, W63553, AL121578, M58581, AF196969, AC007796, AC003108, Z48051, AC004170, AC006162, AB023058, L12582, AF055066, AC006111, AB003151, AP000521, AL022723, AC004084, AC004878, Z95115, AC004235, AP000702, AP000701, AC004832, AL035086, Z75741, Z79996, AC000075, AC000084, AC002491, AC003026, AL035588, AC005839, AC007429, AL117337, AL133243, AC010582, AF205588, U58047, AP001054, U18671, AC002082, AD000092, AC004849, AL049744, AL022316, AL049712, AC005262, AC002404, AC004876, AC007999, AJ251973, Z74617, AF111168, X64467, AL096761 |
| 1044 | HMSHD68 | 875486 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 455 of SEQ ID NO:1044, b is an integer of 15 to 469, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1044, and where b is greater than or equal to a + 14. | AI631592, AW027723, AI696066, H05108, AI992089 |
| 1045 | HSUAE53 | 875490 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI914128, AA088296, M85677, D53142, T34322, T31626, T31802, T31463, AI905228, T34175, D55192, AA380386, AI535884, N23605, AA355446, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1388 of SEQ ID NO:1045, b is an integer of 15 to 1402, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1045, and where b is greater than or equal to a + 14. | AA029415, D54331, C15325, AA355201, AA256591, AA034335, D55128, T70488, AA326899, AI091590, AA029490, AW339939, AW150093, AI872098 |
| 1046 | HTJMN69 | 875491 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 844 of SEQ ID NO:1046, b is an integer of 15 to 858, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1046, and where b is greater than or equal to a + 14. | AW081196, AI191523, AI880364, AI272875, AI346121, AI346400, AI222776, AL137734, I95753 |
| 1047 | HHMMD68 | 875492 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 307 of SEQ ID NO:1047, b is an integer of 15 to 321, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1047, and where b is greater than or equal to a + 14. | T51473 |
| 1048 | HCQDM23 | 875493 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI246778, AI346844, AI749252, AI991265, AW001371, AI832475, AI672920, AW000710, AI991837, AW000809, AI281892, AI991841, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 521 of SEQ ID NO:1048, b is an integer of 15 to 535, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1048, and where b is greater than or equal to a + 14. | AI983400, AI673613, AW054915, AA857748, AI991308, AI677743, AI672894, AI475425, AW001307, AI732375, AA327452, AI991039, AI673137, AA327059, AA534503, AI732350, AA523410, AI991842, AW374797, AI688199, AI475214, I95743, M94132, L21998 |
| 1049 | HHEMO68 | 875495 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 419 of SEQ ID NO:1049, b is an integer of 15 to 433, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1049, and where b is greater than or equal to a + 14. | W32345 |
| 1050 | H2CBM67 | 875496 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 700 of SEQ ID NO:1050, b is an integer of 15 to 714, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1050, and where b is greater than or equal to a + 14. | AA307547, N50913, AW340485, AA724762 |
| 1051 | HWLWJ34 | 875498 | Preferably excluded from the present invention are one or more polynucleotides comprising a | R36306, H06792, R15198, H17756, AL050343 |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 363 of SEQ ID NO:1051, b is an integer of 15 to 377, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1051, and where b is greater than or equal to a + 14. | |
| 1052 | HWLRL54 | 875499 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 797 of SEQ ID NO:1052, b is an integer of 15 to 811, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1052, and where b is greater than or equal to a + 14. | AA203208, AI186984, AA699723, AA587865, AI218228, AW149832, AI075775, AI089713, AA620676, AA705153, T97121, AI928705, AI202281 |
| 1053 | HCROI48 | 875500 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 452 of SEQ ID NO:1053, b is an integer of 15 to 466, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1053, and where b is greater than or equal to a + 14. | |
| 1054 | HCRMM67 | 875501 | Preferably excluded from the present invention are one or more polynucleotides comprising a | W57655, AA629065, AI690293, AA987368, AI889212 |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 543 of SEQ ID NO:1054, b is an integer of 15 to 557, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1054, and where b is greater than or equal to a + 14. | |
| 1055 | HTFNZ86 | 875502 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2858 of SEQ ID NO:1055, b is an integer of 15 to 2872, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1055, and where b is greater than or equal to a + 14. | AA470029, AW299344, AI754738, AA412216, AI378554, AA236732, AA693510, AI434417, AI082441, AA669879, T79250, AW340374, AA236927, AA258261, AA236743, AI962081, AA770560, C04663, R71348, T79167, AA806372, AA345952, AI769109, T79004, T83261, T90729, AI023542, AI915033, AC013417, D10712, AC007564 |
| 1056 | HCNCD90 | 875503 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 538 of SEQ ID NO:1056, b is an integer of 15 to 552, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1056, and where b is greater than or equal to a + 14. | AI637873, AW241510, AW241455 |
| 1057 | HMVDK54 | 875508 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AA213877, AA284164, AL039640, AI267553, AW275560, AW275558, AW044372, AB002334 |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 857 of SEQ ID NO:1057, b is an integer of 15 to 871, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1057, and where b is greater than or equal to a + 14. | |
| 1058 | HCQCV65 | 875512 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 530 of SEQ ID NO:1058, b is an integer of 15 to 544, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1058, and where b is greater than or equal to a + 14. | AC006026 |
| 1059 | HWLNY66 | 875514 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 583 of SEQ ID NO:1059, b is an integer of 15 to 597, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1059, and where b is greater than or equal to a + 14. | AW272467, AI002871, AW007817 |
| 1060 | HLYCI65 | 875515 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AW080826, AB023201 |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 411 of SEQ ID NO:1060, b is an integer of 15 to 425, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1060, and where b is greater than or equal to a + 14. | |
| 1061 | HKAAO67 | 875516 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 579 of SEQ ID NO:1061, b is an integer of 15 to 593, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1061, and where b is greater than or equal to a + 14. | AI480112, AI190539, AW195714, AW009671, AA834985, AI025324, AI220363, AI458072, AI807491, AA427361, AI523871, AI076240, AI252670, AI972838, AA430339, AI912849, AI636830, AI220365, AI400812, AI418071, AI199462, AW015295, AI492423, AI762057, AC003663, AC003070 |
| 1062 | HCE3W64 | 875517 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 318 of SEQ ID NO:1062, b is an integer of 15 to 332, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1062, and where b is greater than or equal to a + 14. | AA885804 |
| 1063 | HKAKX87 | 875518 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI365215, AI796579, AW006619, AI207768, AA781399, AI140604, AI431643, AA858281, AI753792, AI628110, AA992608, AA481252, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2326 of SEQ ID NO:1063, b is an integer of 15 to 2340, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1063, and where b is greater than or equal to a + 14. | AA434587, AI762862, AW190880, AA873016, AW363088, AI434855, N62810, AA873017, AA315480, N31669, AA713673, AI090009, AW297060, AI351557, AA305138, W37783, AA433909, AA713672, AI094632, W37784, AA504102, AA812118, N28827, AI086536, AI493922, AA811274, AA167079, AA459547, AA253280, AA885762, AA723085, AI683305, N23355, AA765542, AA668860, R70637, AI168718, W01322, AI128139, AI494098, AI935670, AA293148, AA234306, AA167028, AI675905, AI473341, AI004524, AA627111, AW044230, AA235416, AI623486, R82735, R65666, H00590, AI431353, H44468, AA935054, AA234396, H03434, T27659, R64224, R64125, R33525, R79785, R79880, AA253233, AA081579, R21415, T99332, H03516, R28580, T99331, D56293, T97190, AA215831, AA011458, AA248735, D62509, R21416, R70534, AA838173, R31206, AA363459, AA204876, T97189, AA011401, AW403913, Z19809, H44434, AR022306, M31468, A74833 |
| 1064 | HUSGX12 | 875520 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1633 of SEQ ID NO:1064, b is an integer of 15 to 1647, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1064, and where b is greater than or equal to a + 14. | AI762621, AI742202, AA446863, AI394107, AW028794, AI221779, AW052092, AA535268, AI183672, AW296681, AA778418, AW297154, AA902908, AI193482, AA476226, C16879, N75843, AA446978, H77651, AW296006, AA621641, D12199, W07640, AI354319, AA906878, W07635, U66075, X95701, D87811, S82462, AF179425, U11889, L22760, U51335 |
| 1065 | HCNDZ15 | 875523 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | |

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| | | | the general formula of a-b, where a is any integer between 1 to 238 of SEQ ID NO:1065, b is an integer of 15 to 252, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1065, and where b is greater than or equal to a + 14. | |
| 1066 | HCFNM40 | 875525 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1081 of SEQ ID NO:1066, b is an integer of 15 to 1095, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1066, and where b is greater than or equal to a + 14. | AA037767, AI961026, AI269898, AA399583, AI689929, AA037780, AA757107, AI968995, AI206593, AA609204, AA813241, D56264, Z45403, AI523529, AL038837, AL039074, AL039564, AL039108, AL039156, AL038531, AL039659, AL039625, AL039648, AL039629, AL039678, AL039150, AL039109, AL037051, AL037726, AL036725, AL039128, AL040992, AL045337, AL042909, AL039423, AL039410, AL039085, AL036973, AL045353, AL043422, AL044407, AL039538, AL038821, AL039386, AL039566, AL044530, AL039924, AL039509, AL043445, AL038025, AL037526, AL036196, T24119, T24112, AL037639, AL045341, AW013814, H00069, AL045794, AL043441, AL037615, AL036767, AL036418, AA039277, T23947, AL043423, AL038851, AI535783, AW451070, Z99396, AL036190, AL036191, AL037082, R47228, AL036924, T02921, AW452756, AI535983, AL036117, AA301449, AW372276, AL036679, AL036733, D51250, D80253, T23659, AL037027, AL036238, AL037178, AL036158, D59787, AL036998, AL036964, D59275, D80043, AA514190, AL036765, D80219, AL037601, T48598, Z25782, AL037021, AL037054, AL036174, D80227, AL036268, AW450376, AI680812, D80240, D80134, AL036167, AL037177, D51423, D80210, AL036227, AL037679, D59619, H00072, AL037047, AA631969, AL036139, AL037016, AL036132, D80193, D80196, AL119457, D80168, |

AL119324, AL037085, AL036953, AL042544,
AL119399, AW392670, AL119443, AL119497,
AL119418, C75259, AW372827, AW384394, AL119319,
AW363220, AL119391, AL119483, AL134531,
AL119484, AL119355, U46341, AL119522, AL119363,
AL134920, U46351, U46350, AL042965, AL119341,
AL119335, AL119396, U46349, AL119464, AL119496,
U46347, AL134538, AL119444, AL037205, AL119439,
AL119401, AL043029, U46346, AL042614, AL042975,
AL042984, AL134532, AL134533, U46345, AB020681,
A97211, X68127, Z96142, AR036905, A95051,
AJ244003, AJ244004, A85477, A85396, V00745,
AR062871, AR031374, A49700, AR031375, AR017907,
D88984, I18371, A38214, A58521, AR025207,
A44171, I56772, I95540, AR018924, A63067,
A51047, A63064, AR018923, A48774, A63072,
AR020969, A48775, X73004, AR068507, AR068506,
AR015960, AR000007, AR015961, A98767, A93963,
A93964, I63120, A95052, A95117, A18053, I06859,
A18050, A84772, A23334, A75888, I70384, A02712,
A60111, A23633, AR007512, A25909, I19516,
A23998, A84776, A84773, A84775, AR062872,
A84774, AR062873, AR067731, AR043602, AR043603,
A58524, AR043601, AR067732, AF118808, A86792,
A58522, I60241, A58523, I60242, A92133,
AR037157, A20702, A91750, A43189, A43188,
A20700, A64081, AF156296, AR054109, E16590,
A35537, I03343, AR036903, A24783, A24782,
D28584, A02136, A04664, AJ244005, I03665,
A35536, A81878, A02135, A04663, I03664, E13740,
E12615, AR035193, AR022240, A13393, I01992,
A27396, AR027100, I28266, A11245, A02710,
A58525, A82653, I13349, E14304, A07700, A13392,
A49045, I19517, A76773, A15078, A22413, E16636,
I25027, I21869, I26929, I44515, I26928, I26930,
I26927, E16678, I08051, A67220, A93016, A70040,

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| | | | | AF156294, I00074, AR038762, AR000006, E03165, I49890, I44516, I66495, I66494, I66498, I66497, I66496, I66486, I66487, I00079, U87250, I92483, AR038286, A92636, AJ230933, D14548, E02221, E01614, E13364, E00523, A58526, A91753, Y11923, I00077, I25041, AR035975, AR035974, AR035977, AR035976, AR035978, D34614, A97221, AB012117, A51384, AR008430, S70644, AF096810, A91754, Y11926, A10361, X58217, I68636, AF019720, I07429, A60957, AF156299, A60968, I84554, I84553, S65373, Y17188, AR066482, A60985, A60990, A60987, AF096793, D44443, A18722, AB007195, X15418, M32676, A52326, AR064706, A10363, I69350, A91965, AR027069, A20701, I08250, A04710, AF130655, E04616, S83538, Y11449, X73003, X13220, AR063812, I07888, Y11920, E06034, I03663, AF156302, A02711, A04447, A04441, A04448, A04442, AR060234, Y11447, AR066494, A80951, AF096796, E03018 |
| 1067 | HMSGC65 | 875527 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 647 of SEQ ID NO:1067, b is an integer of 15 to 661, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1067, and where b is greater than or equal to a + 14. | AA306873, AA305881, AW245862, AA088641, AA932449, N31513, R25850, N44651, AW248398, R88663, AA137171, AI073401, AI824292, AW274454, AL136295, AF044127 |
| 1068 | HCQDN81 | 875528 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AW080296, AF181449 |

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| | | | is any integer between 1 to 150 of SEQ ID NO:1068, b is an integer of 15 to 164, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1068, and where b is greater than or equal to a + 14. | |
| 1069 | HFICY86 | 875529 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 990 of SEQ ID NO:1069, b is an integer of 15 to 1004, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1069, and where b is greater than or equal to a + 14. | AA603466, AA287389, AI810216, AA424696, AI346074, AA836562, AA954077, AA909145, AA828876, AI952639, AW083305, AA722253, AA418995, AF067844 |
| 1070 | HNTSA70 | 875534 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1292 of SEQ ID NO:1070, b is an integer of 15 to 1306, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1070, and where b is greater than or equal to a + 14. | AI183516, AI677878, AI460183, AI860487, AA780231, AA767130, AA642704, AI022239, AA446006, AI660816, AA456661, AA568272, AI190414, AA446282, AI336027, AA588255, AW182256, AA716624, AA761723, AA663995, AA587405, AW009807, W57982, AA181644, AI678107, W58160, AA171594, AA491861, AA976533, AL040533, AW389542, AA132079, AA745753, AA069141, AA677510, AA397367, AA830442, AA513145, AA993000, AI421653, AA716638, AI287624, AA828103, AA291822, AI801347, N40913, N73507, AA291719, AA854752, H14471, R65693, AI744803, H67766, AA620585, AI215422, H67765, AA852689, D19662, T81375, AA356246, AA173308, T81376, AA026796, H93596, R57341, AA385169, AI381042, H75612, AA132164, N59689, N77499, N57722, N57642, AW139381, U46838, D84557, D86726, |

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| | | | | U17565, U67284, U67282, U67283, U67281 |
| 1071 | HWLMX64 | 875538 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 136 of SEQ ID NO:1071, b is an integer of 15 to 150, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1071, and where b is greater than or equal to a + 14. | R49345, AL079569, AW293080, AW292238, AI205711, AI935312, H03831, W15589, AI381335, AI753006, Z32775, AA418072, AI270007, AI016403, AA857211, AI368095, N76261, C21426, AA564813, AI245209, N62157, AI765556, T32732, AI865287, AW118713, H19452, AI702910, AA928614, AI378351, AA771798, AI079776, AA563729, AI129765, AI770121, AI985502, AI935621, R43221, R81646, AI480297, AI862340, AC005740, AB022663 |
| 1072 | HTWFG63 | 875539 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 372 of SEQ ID NO:1072, b is an integer of 15 to 386, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1072, and where b is greater than or equal to a + 14. | AI201047, AW182365, AW293223, AI206387, AI206389, H79861, AI218596, C01349, H79860, AC006449 |
| 1073 | HWLNY32 | 875543 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 609 of SEQ ID NO:1073, b is an integer of 15 to 623, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1073, and where b is greater | AL121541, N49995, N34595, AI557698 |

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| | | | than or equal to a + 14. | |
| 1074 | HLJDL64 | 875544 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 615 of SEQ ID NO:1074, b is an integer of 15 to 629, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1074, and where b is greater than or equal to a + 14. | AL036180, AI110646, AI110645, AI207597, AI174665, AI174946, AW073816, Z98452, AA650324, AI064928, AI557077, AI133004, AI064831, AI065079, AI133259, AI133698, C18661, AI064836, AI064695, AA468444, AA075635, C18389, AI460015, AA886120, AA522946, C18379, AI133289, AI207423, AI133218, AI133420, AI110815, AI133099, AA229530, AA630934, AA247210, AA513233, AA229483, AA502854, AA075595, AA075016, AA522587, AA160197, AA130107, AW379318, AA081859, AL037870, AL048198, AA223082, AL037849, AI525868, AA524676, AA095651, AA091446, AA602274, C18017, AA490180, AA126340, AA149603, AI061660, AA196337, AA558762, AA493842, AL048429, AA522591, AI253444, AI114770, AA807804, AA533954, AI064907, AW390463, AA429176, AI366551, AA081406, AI717995, AI560053, AI524985, AI366019, AI907036, AI459473, AI525190, AW007608, AA194553, AA523493, AI253348, AA566024, AA095476, AA525479, AA878500, C16892, AW438405, AA978232, AA093359, AI832270, AW361632, AW062515, AA632775, AA091197, AA076526, AI884494, AA541550, AI833147, AA689249, AI366023, AA888285, AW238393, AA745556, AI709394, AA486180, AA216175, AA486974, AA211250, AA602242, AI832355, AA630170, AA654821, AA640561, AA659277, AA496598, AA112897, AA721533, AA081861, AA504683, AI888487, AA635254, AI064797, C18031, AA224000, AA627260, AA669077, AA595864, AA249205, AI536118, AI217035, AI653760, C18231, AA095843, AA165016, AA594949, AW081962, AA293391, AI064901, C17988, AI133314, C18852, C17170, AI832732, AA664578, AA640469, AW390478, |

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| | | | AA630259, AA659265, AA642163, AI720552, AA886596, AI832340, AW385222, AA193142, AI217021, AA197080, AA879049, AI124928, AA522984, AW361141, AI253310, AA148381, AA093612, AA092811, AA094304, AW275829, AI924211, AI366559, AW176708, AA492126, AW389679, AW401887, AA248521, AW238554, AW270021, AA575977, AA530955, AA469406, AA578589, AI720986, AW351917, AI000746, AA459176, AA886490, AL038077, AI459425, AA887028, AA887030, AW377099, AW188463, AA172233, AA095860, AA550932, AI525065, AI253331, AA643797, AA526350, AI434498, AL037048, AI635477, AA630251, AI557565, AI683207, AA737110, AA291026, AA610388, AW004905, AA095848, AA485848, AW044030, AI750150, AI557197, AA618334, AA091047, AA715869, AI204214, AA244429, AA093878, AW419429, AA089795, AA285306, C14174, AA468098, AA112030, AW361105, AI557150, AI720912, AA098789, AA493969, AI628930, AA679857, AI912529, X62996, X93334, V00662, J01415, D38112, AF134583, D38116, D38114, X93347, S55589, Y17171, Y17179, AJ238413, AL021068, I25652 |
| 1075 | HHEQN62 | 875545 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 542 of SEQ ID NO:1075, b is an integer of 15 to 556, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1075, and where b is greater | AA307385, H38113, AI383794, AF059531, AF059530 |

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| | | | than or equal to a + 14. | |
| 1076 | HCQAF61 | 875546 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 406 of SEQ ID NO:1076, b is an integer of 15 to 420, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1076, and where b is greater than or equal to a + 14. | AA148723, AA148592, U73633 |
| 1077 | HCQCX63 | 875547 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 722 of SEQ ID NO:1077, b is an integer of 15 to 736, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1077, and where b is greater than or equal to a + 14. | AA496222, N52937, AI913219, AA984383, AA725524, AI800841 |
| 1078 | HOVET54 | 875548 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 885 of SEQ ID NO:1078, b is an integer of 15 to 899, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1078, and where b is greater | AI333686, AA781729, AA770054, N66727, AI535727, R49091, T68994, AA011536, T61907, Z40664, R70984, F03267, AA725067, R71002, AI557450, AI536045, AW392670, AL119457, AL119324, U46347, AL043003, AW384394, AL119484, AL119443, AW363220, AL119439, U46350, U46351, Z99396, AL134531, U46349, AL119319, AW372827, AL134527, AL134528, AL134530, AL134519, AL119391, AL043147, AL119483, AL134132, AL134525, AL134536, AL134538, AL119363, AL042989, AL134533, AL119497, AL037205, AL119444, |

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| | | | than or equal to a + 14. | AL119355, AL042965, AL119335, AL079442, U46346, U46341, AL119396, AR060234, AR066494, A81671, AB026436, AR054110, AR069079 |
| 1079 | HRODW53 | 875550 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2201 of SEQ ID NO:1079, b is an integer of 15 to 2215, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1079, and where b is greater than or equal to a + 14. | AW195340, AW444826, AA947277, AA722891, AW009448, AI420841, AA731773, AI565025, AI927332, AI336337, AI494131, AA947279, AA808216, AI651452, AA825545, AW452410, AI216219, AI243363, AI867450, AA812208, AI573209, AW292860, AA908226, AI458531, W93316, AW079969, AW002549, AI467887, N24875, AA256877, AA262505, AA749144, AA811313, R83301, AA778771, AA766428, AA682799, AW183953, AA255868, H58733, AW243205, AA931058, AI246223, H69591, H69785, AA973454, R83395, N36294, AA299701, AI803225, AA299702, T03865, H58344, H75668, H59592, AA812777, T77893, AA411001, AW367969, AW377666, AA354797, AI825279, AA677816, AW389598, H69023, H65620, AA419509, AI886081, AW377657, AA255471, AA648958, AW296622, W93427, AW183272, AI203101, AW389617, AW367976, AA815060, H67272, H65619, AI218105, AA256747, Z38443, H59593, F05460, AI634666, AI208005 |
| 1080 | H2CBE60 | 875551 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 585 of SEQ ID NO:1080, b is an integer of 15 to 599, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1080, and where b is greater than or equal to a + 14. | AA307347, R25920, D80022, D59859, AA305578, C14389, D80188, D59467, D51799, D80248, D80166, D51423, D59619, D80210, D80240, D80253, D81030, D58283, D59275, D80212, D80366, AA305409, C14331, D80219, D80043, D80195, D80522, D80391, D80164, D59787, D80227, D59502, C14014, D57483, D59610, D81026, D80269, D80024, AA514186, D59889, D80196, D80133, D59927, C15076, D80038, D50979, D51022, D50995, D51060, D80193, D80045, AA514188, D80251, D80241, AW360811, D80378, AW377671, AW177440, D80268, C14429, AW178893, T03269, AW375405, AW360844, D80439, D80302, C75259, D80247, AW179328, AW366296, AW177501, AW177511, AW360817, AW375406, AW378534, |

AW352171, AW179332, AW377672, AW179023,
AW178905, C05695, AW178906, AW178754, AW179024,
AW377676, AW378532, D59373, AW177505, AW360841,
AW179020, AW178775, AW178909, D80134, AW177456,
D51250, AW352170, D80132, AW177731, AW178907,
AW178762, D58253, AW179019, AW179018, AW352158,
AW178971, D51759, D80157, AW352117, D51103,
AW367967, AW369651, AW179004, AW179329,
AW179012, AW178980, AW177733, AW378528,
AW179007, AW178908, AW178983, AW352174, D52291,
AW176467, AW179017, AW179009, F13647, AW178914,
AW378543, AW378525, AW352163, T11417, D80168,
AW352120, T48593, D81111, D59653, C06015,
C14298, D58246, AW178774, AW178781, AW178911,
AW378540, AW177722, AI910186, C14227, AW177728,
D59503, D80064, D45260, D58101, AW360834,
AI905856, D59627, C14407, Z21582, H67866,
D80258, H67854, T03116, AW178986, AW367950,
C03092, AW177723, AI525923, AA809122, D59317,
AI535850, AW177734, AI525920, AI525917, D51221,
D51213, AI557751, D59474, D45273, AA514184,
AW177508, D80014, AW177497, C14957, C14973,
C14344, AW378533, AA285331, D51097, D60010,
AI557774, AI535686, H67858, T03048, AW179013,
D59551, AI525235, AI525912, T02974, AW178759,
AI525227, Z30160, C14046, D60214, AW378539,
AI525215, AI525242, AW378542, C16955, AI525925,
AI525222, Z33452, C05763, D31458, AI525216,
T02868, AW360855, AI525237, D80007, AF055668,
AF055669, AR008278, A62298, AB028859, AJ132110,
AR018138, A84916, A62300, AF058696, A82595,
X67155, Y17188, D26022, Y12724, A25909, A67220,
D89785, A78862, D34614, A94995, AR060385,
AB002449, AR008443, D88547, I50126, I50132,
I50128, I50133, AR016808, X82626, AR066488,
AR016514, AR025207, AR060138, A45456, A26615,

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| | | | | AR052274, Y09669, A43192, A43190, AR038669, AR066490, AR066487, A30438, I18367, X64588, I14842, AR054175, D50010, Y17187, AR008277, AR008281, A63261, X68127, AR008408, AB012117, AR062872, A70867, AR016691, AR016690, U46128, D13509, A64136, A68321, I79511, AR060133, A85396, D88507, AR066482, A44171, A85477, I19525, A86792, I32384, X93549, U79457, AF123263, AR032065, AR008382 |
| 1081 | HWMCK45 | 875552 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 628 of SEQ ID NO:1081, b is an integer of 15 to 642, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1081, and where b is greater than or equal to a + 14. | W44982, AC003042 |
| 1082 | HKAFL60 | 875553 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 556 of SEQ ID NO:1082, b is an integer of 15 to 570, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1082, and where b is greater than or equal to a + 14. | AI871640, AI809329, AW293495, AI631630, AA731792, AA809789, H97646, AA564836, AI913067, AL117328 |
| 1083 | HUSXP66 | 875554 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI800576, AI376958, AI087840, AW069881, AI038673, AW339528, AW440579, AI057432, AI800751, AW371940, AA580863, R06900, AA026058, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 661 of SEQ ID NO:1083, b is an integer of 15 to 675, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1083, and where b is greater than or equal to a + 14. | AA252326 |
| 1084 | HTLEY14 | 875556 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 614 of SEQ ID NO:1084, b is an integer of 15 to 628, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1084, and where b is greater than or equal to a + 14. | AI631620, AL038838, AL038983, AL038822,<br>AL037436, AI142134, AL040617, AL044186,<br>AL041238, AL047012, AL044037, AL038532,<br>AL047170, AL040463, AL037727, AL040576,<br>AL045753, AL041752, AL045684, AL040625,<br>AL047219, AL044162, AL041602, AL043492,<br>AL040839, AL043677, AL040193, AL043467,<br>AL040510, AL040621, AL043538, AL047183,<br>AL043496, AL040464, AL046442, AL041635,<br>AL045817, AL041133, AL041324, AL040322,<br>AL041098, AL044074, AL040119, AL041955,<br>AL040294, AL043923, AL043814, AL041096,<br>AL043845, AL045920, AL041163, AL047057,<br>AL037435, AL044064, AL040149, AL041459,<br>AL041730, AL041523, AL041159, AL041577,<br>AL040472, AL038761, AL043627, AL040052,<br>AL037295, AL041374, AL041292, AL041358,<br>AL046850, AL040444, AL041296, AL040768,<br>AL040332, AL043848, AL041142, AL042135,<br>AL043570, AL041346, AL046994, AL041086,<br>AL046914, AL040529, AL040370, AL040745,<br>AL046330, AL041197, AL039316, AL046392,<br>AL040128, AL044272, AL134524, AL045671,<br>AL047036, AL041233, AL040342, AL037343,<br>AL037335, AL044258, AL040148, AL040553,<br>AL040458, AL044187, AL044199, AL037323,<br>AL044125, AL049018, AL040285, AL045990, |

AL046327, AL041277, AL040091, AL037443,
AL040155, AL041347, AL041131, AL039744,
AL041168, AL044165, AL044274, AL040571,
AL039338, AL041051, AL040168, AL039643,
AL079878, AL040075, AL045989, AL041186,
AL039432, AL042096, AL041246, AL040414,
AL040253, AL041227, AL040090, AL043775,
AL044201, AL043941, AL037341, AL041140,
AL045857, AL040082, AL041278, AL040329,
AL043444, AL079852, AL045725, AL039915,
AL043612, AL040255, AL040238, AL040263,
AL039360, AL042898, AL045328, AL037279,
AL041210, AL049069, AL044529, AL047037,
AL043537, Z30131, AL038745, T23957, T23985,
AL080031, AL046147, AA585439, AL045211, Z28355,
AA585101, AI541365, AI525556, AI541374,
AI540967, AI525431, AI541523, AI541514, T23888,
T11028, R29445, R28735, T41289, D61254,
AI547039, AI557731, AI526073, AL134110, R29177,
AA585453, AI525320, AL047163, AA585476,
AI525306, AI541535, AI546855, AA174170,
AI556967, AI541509, AI546828, AI535639,
AI557262, AI526194, AI526140, AI541017,
AI541013, AI541508, AI547295, AI546891,
AI557787, AI525316, C16305, AI546999, AL045327,
AL041344, AI541510, C16300, AI541390, AI557799,
AI557807, D57491, AI541307, AL043440, R29218,
C15189, AL036259, AL046097, AI525321, AI525328,
AI526187, AI526184, AI557238, AI546945,
AL040385, AA585438, D55233, C14723, AA585434,
AI526144, AA585356, AI546899, AI546875,
AL045994, AJ239433, AI557796, AI541534,
AI526176, AA585440, AR064707, I15717, I15718,
I08395, M28262, E13740, AJ244003, AJ244004,
E03627, I48927, AJ244005, I08396, A60212,
A60209, A60210, Y16359, A60211, A98767, D78345,

A93963, A93964, AR062872, I63120, AR017907,
AR062873, AR062871, A25909, I06859, A18050,
A23334, A75888, I70384, A90655, A02712, A60111,
I84553, A23633, AR007512, AF082186, A81878,
I84554, A77094, A77095, AR031566, A85395,
A85476, I00682, A95051, A18053, A86792, A20702,
A64973, A35536, A35537, X83865, A11623, E00609,
A11624, A43189, A43188, A20700, A02135, A04663,
A02136, A04664, A84772, A11178, E01007, A98420,
A98423, A98432, A98436, A98417, A98427, A84776,
A84773, A84775, A84774, I13349, A10361,
AR067731, AR037157, AR054109, AR067732, A58522,
AR038855, AR043601, A11245, A91750, I44681,
I03331, A02710, E12615, I18895, AR035193,
A92133, E14304, A07700, A13392, A13393, I62368,
AR031488, I13521, I52048, A27396, A91965,
E16678, AR027100, I49890, I44531, I28266,
I21869, I44516, A70040, A82653, AF149828,
E16636, A95117, A93016, A24783, A24782, A58524,
I05558, A58523, I01995, I25027, I26929, I44515,
I26928, I26930, I26927, I08051, I60241, I60242,
AR038762, A20699, E00696, E00697, AR009151,
I66485, I66487, E03813, I66482, I66483, I66484,
I66498, I66497, I66496, AR038066, AR027099,
I66486, AJ230935, AR051652, AR051651, AJ244007,
AJ230902, AR008429, A22738, I08389, X07299,
D13316, AJ230972, AB025273, U94592, D50010,
AJ230951, AR051957, AJ231009, Y09813, AJ238010,
E12584, X81969, I19525, AR066494, Z32836,
AR035975, AR035977, I18302, D13509, A70872,
AJ231028, E17098, I66495, I66494, A22734,
AR022273, AJ230867, AR035974, AR035976,
AR035978, A70869, AL137394, AB014583, AL080126,
AJ230845, I36244, AR051864, D17247, AR051865,
A93923, A06631, S60422, AJ231011, A93916,
Y14219, AR063812, A24548, A24546, I05845,

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| | | | | A93931, A16035, AJ230996, I03669, I03668, I33632, AR009152, A68112, A68104, I15353, A85203, I66481, A83642, A83643, I66488, E03654, I66489, I66490, I66491, I66492, I66493, AR054723, A05993, A05975, A05973, A05991, A05995, A83151, AR023813, AL133053, AL122101 |
| 1085 | HOFMV44 | 875558 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1342 of SEQ ID NO:1085, b is an integer of 15 to 1356, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1085, and where b is greater than or equal to a + 14. | AA459463, AI219490, AA705318, AA459242, AA574007, N44974, N33185, AI246251, AW270960, W96335, AI247249, AW118922 |
| 1086 | HSLJN60 | 875559 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 689 of SEQ ID NO:1086, b is an integer of 15 to 703, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1086, and where b is greater than or equal to a + 14. | AA043203, AA633788, AA779964, AA077596, AA993172, AA721605, AA993810, N58116, W02490, AA250756, AA410936, AA812535, AW105026, AA978273, AA912417, AI015512, AA323882, N74558, AC002542 |
| 1087 | HCQAG54 | 875560 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 465 of | T59843, AA664394, AA224827, T59708 |

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| | | | SEQ ID NO:1087, b is an integer of 15 to 479, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1087, and where b is greater than or equal to a + 14. | |
| 1088 | HHMMD60 | 875563 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1088, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1088, and where b is greater than or equal to a + 14. | AI926573, AI733887, AI732593, AA132660, AA132832, AC006449 |
| 1089 | HWLMB59 | 875564 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1060 of SEQ ID NO:1089, b is an integer of 15 to 1074, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1089, and where b is greater than or equal to a + 14. | AA418204, AI133717, AA007464, AA279666, AA281169, N78164, AC006059, AF184110 |
| 1090 | HUFAU68 | 875565 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1149 of | T12323, H54278, AA032022, Z19186, R92145, T19706, AA344428, AA031911, AW302758, AW187983, AB033011 |

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| | | | SEQ ID NO:1090, b is an integer of 15 to 1163, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1090, and where b is greater than or equal to a + 14. | |
| 1091 | H2LAX58 | 875567 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 757 of SEQ ID NO:1091, b is an integer of 15 to 771, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1091, and where b is greater than or equal to a + 14. | AA315557, AI632010, AI816905, R10787, D80166, D80212, D80022, C14389, C14331, D59619, D80210, D80240, D80219, D59502, D58283, D81030, D59859, D80043, D80195, D80391, D80164, D59787, D51423, D51799, D59275, D80253, D80227, D80193, C15076, D80196, D80045, D80188, D59467, D59927, C14429, D57483, D80269, D80366, D80038, D50979, D59889, R10697, D50995, AA305409, D59610, D80378, D80024, D80241, T03269, AW178893, D51060, C75259, C14014, AW178775, D51022, D80268, D81026, AW179328, D80134, AW177440, AW378532, D51250, D80522, AA305578, D80168, AW352158, D80949, F13647, AW369651, D59695, D80064, D80251, D80248, Z21582, D58253, AW178762, C14298, AA514188, AW177501, AW177511, C14227, D80133, D81111, C14407, AI910186, AA514186, AW352117, AW360811, D80132, AW378540, AI905856, AW377671, C05695, AW176467, AW375405, AW360844, AW179012, AW366296, AW360817, D80439, AW375406, AW378534, AW352171, AW179332, AW377672, AW179023, AW178905, AW177505, AW377676, D80247, AW178754, AW179024, AW352170, AW360834, D59373, AA285331, D51097, D80302, AW360841, AW179020, AW178909, AW177456, AW178906, AW177731, AW178907, AW179019, AW179018, AW178971, AI557751, D80157, AW352174, AW179004, AW179329, AW178980, AW177733, AW378528, AW179007, AW178908, T11417, AW179220, AW177714, C14077, AW179017, AW179009, AW178914, AW378543, AW378525, D51103, D51759, AW367967, AW177722, |

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| | | | D80014, T03116, AW178983, AW352120, AW177728, AW178774, AW178781, AW178911, AW352163, D58101, D59627, D59503, D58246, D59653, T48593, D80258, C06015, D51213, AI557774, C03092, AW177723, AW378539, H67866, D45260, AI535850, AI525923, T02974, C14975, AW378533, AW367950, AW178986, H67854, AA809122, AW177734, C14344, AW177508, C14046, AW177497, D45273, D80228, AI525917, D59317, C14973, D60010, D51221, H67858, D59474, AI525920, AI535686, AA514184, AW179013, D59551, AW178759, T03048, F13796, C14957, D60214, AI525227, AI525235, AI535961, C16955, Z33452, AI525242, AI525912, AW378542, C13958, AI525925, A62300, A84916, A62298, AJ132110, AR018138, X67155, Y17188, A67220, D34614, D26022, A25909, D89785, A78862, I82448, AF058696, D88547, AR008278, X82626, AB028859, AR025207, Y12724, AB012117, A82595, X68127, A94995, AR060385, A85396, AR066482, A44171, AB002449, A85477, AR008443, I19525, A86792, U87250, X93549, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, I14842, Y09669, A43192, A43190, AR038669, AR066490, AR066487, AR054175, A30438, I18367, D88507, D50010, Y17187, AF135125, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, D13509, AB033111, A64136, A68321, AR060133, I79511, X72378, AR064240, U87247, I32384, AB023656, U79457, AF123263, AR032065, X93535, AR008382 |
| 1092 | HCRQD82 | 875570 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 743 of | AW206804, AI337160, AI744024, H11326, AA886435, F10033, AA255487, AI499829, AW188608, AA508761 |

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| | | | SEQ ID NO:1092, b is an integer of 15 to 757, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1092, and where b is greater than or equal to a + 14. | |
| 1093 | HCRPV05 | 875572 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 619 of SEQ ID NO:1093, b is an integer of 15 to 633, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1093, and where b is greater than or equal to a + 14. | AI955141, AI744943, R16287, R15781, AI440022 |
| 1094 | HHECM62 | 875573 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 534 of SEQ ID NO:1094, b is an integer of 15 to 548, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1094, and where b is greater than or equal to a + 14. | AI732599, AA132796, AW205259, AA885330, AA769901, AI609831, AW087786, AI423901, AA313420, AI791778 |
| 1095 | HFOXW88 | 875574 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 846 of | AA146968, AA699958, AA700342, AI378339, AA146969, R07642, R07689, AC006344 |

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| | | | SEQ ID NO:1095, b is an integer of 15 to 860, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1095, and where b is greater than or equal to a + 14. | |
| 1096 | HWLXT17 | 875578 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1740 of SEQ ID NO:1096, b is an integer of 15 to 1754, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1096, and where b is greater than or equal to a + 14. | AI279511, AI679970, AA968450, AW081381, AI371994, AW450638, AI679532, N90808, AA399120, AA448632, AA398186, AA807135, R61258, AA769230, Z33585, R61259, AA746649, H10077, AA598764, R58928, AI700380, AL117693 |
| 1097 | HODAY72 | 875583 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 760 of SEQ ID NO:1097, b is an integer of 15 to 774, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1097, and where b is greater than or equal to a + 14. | AA682526, AI702143, AC006352 |
| 1098 | HCQBI56 | 875584 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 150 of | D44721 |

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| | | | SEQ ID NO:1098, b is an integer of 15 to 164, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1098, and where b is greater than or equal to a + 14. | |
| 1099 | HTTCM45 | 875585 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 562 of SEQ ID NO:1099, b is an integer of 15 to 576, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1099, and where b is greater than or equal to a + 14. | AL133757, M78501 |
| 1100 | HARNM58 | 875587 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 815 of SEQ ID NO:1100, b is an integer of 15 to 829, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1100, and where b is greater than or equal to a + 14. | AI640555, AW341429, AA010805, AW450715, AI040419, AI167746, AI123802, AA677191, AA972603, AI342357, AI050710, AI636070, AI636093, AW104447, AA011210, AW103112, AA625985, AI050704, H95386, W31489, AW452276, R43183, R45091 |
| 1101 | HMIAQ09 | 875588 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1006 of | AI433411, AA772279, AA931112, AI580387, AW182214, AW444853, AW236085, H84320, AA384441, AA309603, H84319, AA991549, AL133615 |

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| | | | SEQ ID NO:1101, b is an integer of 15 to 1020, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1101, and where b is greater than or equal to a + 14. | |
| 1102 | HE9MD57 | 875589 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 579 of SEQ ID NO:1102, b is an integer of 15 to 593, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1102, and where b is greater than or equal to a + 14. | AA224205, AI750792, AI384092, AI827513, AI750808, AI081591, AA333825, R32422, R76408, AA682395, R06653 |
| 1103 | HCQDA63 | 875590 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1415 of SEQ ID NO:1103, b is an integer of 15 to 1429, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1103, and where b is greater than or equal to a + 14. | AI522107, AI378319, AA234318, AI692527, W38548, AI290259, AI470641, R19919, AA234561, AA973961, F11345, F09005, R45139, AI470879, AW132159, AA482991, AA988920, AA146698, H59248, H28631, H28612, AA205262, N56056, N90091, AA095089, H68801, AI341225, AW001798, AA205188, AC004067, AC002091, AC003695 |
| 1104 | HWLRO57 | 875594 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 713 of | H13920, R82788, Y15909 |

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| | | | SEQ ID NO:1104, b is an integer of 15 to 727, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1104, and where b is greater than or equal to a + 14. | |
| 1105 | HHEQO60 | 875596 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 591 of SEQ ID NO:1105, b is an integer of 15 to 605, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1105, and where b is greater than or equal to a + 14. | AI638800, AI701032, AI568329, AI225238, Z82200 |
| 1106 | HMUBG89 | 875597 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 791 of SEQ ID NO:1106, b is an integer of 15 to 805, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1106, and where b is greater than or equal to a + 14. | H98768, AI300431, AI076535, AI082879, AI689961, H03865, AI701454, AI458282, N33061, W07734, AI263212, R46614, T67479, AI991356, AI654356, N78714, AI696043, N23489 |
| 1107 | HDPRN70 | 875598 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 341 of | |

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| | | | SEQ ID NO:1107, b is an integer of 15 to 355, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1107, and where b is greater than or equal to a + 14. | |
| 1108 | HCRMC33 | 875600 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 433 of SEQ ID NO:1108, b is an integer of 15 to 447, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1108, and where b is greater than or equal to a + 14. | |
| 1109 | HROBR56 | 875604 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 788 of SEQ ID NO:1109, b is an integer of 15 to 802, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1109, and where b is greater than or equal to a + 14. | AI657019, AI623299, AA393186, AA398646, AI263831, AA364607 |
| 1110 | HWLMU33 | 875605 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 444 of | AA126535 |

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| | | | SEQ ID NO:1110, b is an integer of 15 to 458, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1110, and where b is greater than or equal to a + 14. | |
| 1111 | HCRQC94 | 875606 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 740 of SEQ ID NO:1111, b is an integer of 15 to 754, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1111, and where b is greater than or equal to a + 14. | AA533280, AI133211, AW275798, Z28740, H79608, Z99396, AW392670, AL119457, AW372827, AL119497, AW384394, AL119484, AL119391, AL119319, AL119483, AW363220, AL119324, AL119443, U46350, AL119522, AL119355, AL119363, U46351, U46341, U46349, AL119341, AL036418, AL038837, AL119335, AL119418, AL119396, AL119496, U46347, AL037051, AL042965, AL036725, AA631969, U46346, AL119444, AL037205, AL119439, AL134538, AL036858, AL134531, AL119401, AL134532, AL134533, AL134536, AL042614, AL042542, AL036924, AL042975, AL043029, AL042984, AL119399, AL134920, U46345, AL042544, AL043019, AL038509, AL042551, AL037085, AL043011, AL042450, AL037094, AL043003, AL037526, AL036196, AL037639, AL036268, AL037082, AL036767, AL036190, AL037077, AL119464, AL036774, AL038520, AL036998, AL038851, AL038447, AL036733, AL037178, AL036238, AL036719, AL037615, AL037027, AL036765, AL036191, AL036679, D63477, AR066494, AR060234, A81671, AB026436, AR023813, AR064707, AR054110, AR069079 |
| 1112 | HCRMQ55 | 875608 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 610 of SEQ ID NO:1112, b is an integer of 15 to 624, where both a and b | N70420 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1112, and where b is greater than or equal to a + 14. | |
| 1113 | HSAZF81 | 875609 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 646 of SEQ ID NO:1113, b is an integer of 15 to 660, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1113, and where b is greater than or equal to a + 14. | AI863439, R11144, AI360315, AA203688, H24452, R11145, R01108, AW002361, Z41757, AW295865, AI961650, AI052438, AW131513, AW089844, AI688241, AW080746, AW163834, AI886884, AI076157, AI270183, AI918677, AI696603, AI499963, AI364167, AI470717, AW132056, AI524139, AA128660, AI872423, AI370623, AI927233, AW080700, AI281782, AA179186, AI582910, AW075382, AW004606, AI638644, AI522256, AW029489, AI439452, AI682798, AW188525, AI619820, AI621341, AA810605, AI554516, AA814343, AI868680, AW051088, AW084396, AA806720, AI590043, AI284084, AI926593, AI568293, W46513, AI698391, AW007580, AI866469, AI648699, AI561288, AW081515, AW129264, AW081349, AI628180, AW088560, AI909697, AI625226, AI559296, AI590227, AI932794, AW166583, T69241, AI633066, AI620864, AI561356, AI279677, AI633125, AI079226, AW087837, AI631273, AI538564, AI699175, AI915291, AW152182, AI434969, AI889862, AI696714, AW085734, AI434731, AI889189, AI678602, AI473536, AI338427, AI884318, AA745155, AI863319, AW081252, AI573164, AI520859, W74529, AI865906, AI912544, AI701097, AI571867, AI349482, AI439385, AW131282, AI499570, AI570056, AI699823, AI765103, AI918809, AI868931, AI333104, AW105296, AI553645, AI368943, AI934259, AI688300, AA836168, AW150750, AI888022, AI860027, AI270706, AI367680, AI630932, AI611738, A65341, AL137533, I89947, I33984, AF047716, A41579, |

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| | | | | Z13966, U62966, AF199027, AR034821, L25851, AL050155, AR038854, AL122100, AL117587, AL137530, A77033, A77035, AL117460, Z97214, D44497, X95310, AL117636, A52184, X68560, S69381, X99971, AF116573, AF013214, AL080146, AF080068, Z82022, X59813, X66366, X66871, AL133665, AF183393, A58545, A23327, A76337, AL137271, E12806, AC006115, AL137711, AF185576, AF032666, A21103, AL133084, AL080159, AF059611, AL137478, AF106697, U73682, X52220, AL049557, AF167995, A86558, X61399, AF222801, AF061981, I32738, AF008439, AF118847, L10730, A76335 |
| 1114 | HTJMO37 | 875610 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 503 of SEQ ID NO:1114, b is an integer of 15 to 517, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1114, and where b is greater than or equal to a + 14. | AA252455, AI191596, AI216511, AI221932, AL044538, AL044537 |
| 1115 | HKCSA54 | 875611 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 872 of SEQ ID NO:1115, b is an integer of 15 to 886, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1115, and where b is greater than or equal to a + 14. | AA078787, AA664392, AA047305, AA078903, T82427, AA618308, AA047306, AC007688 |

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| 1116 | HWLQA55 | 875612 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 301 of SEQ ID NO:1116, b is an integer of 15 to 315, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1116, and where b is greater than or equal to a + 14. | AI767589, AI732392, AW083534, AW007152, AW004781, AA053033 |
| 1117 | HWBDT63 | 875613 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 735 of SEQ ID NO:1117, b is an integer of 15 to 749, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1117, and where b is greater than or equal to a + 14. | AI273587, Z36969, AA132614, AA602080, AA629773 |
| 1118 | H2CBQ54 | 875625 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 702 of SEQ ID NO:1118, b is an integer of 15 to 716, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1118, and where b is greater than or equal to a + 14. | AA313350 |

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| 1119 | HCQCX54 | 875628 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 348 of SEQ ID NO:1119, b is an integer of 15 to 362, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1119, and where b is greater than or equal to a + 14. | |
| 1120 | HCQCG75 | 875629 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1234 of SEQ ID NO:1120, b is an integer of 15 to 1248, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1120, and where b is greater than or equal to a + 14. | AI131026, AA716622, AI057161, AA774194, AA156854, AA225603, AA716534, AA213506, AI742559, AI820099, AA643860, AA343612, AW294591, AA636011, AI440145, H21764, AA716363, AA362352, AA352145, R64559, AA076494, Z95114, Z82215, AF070675 |
| 1121 | HHEZN36 | 875630 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 709 of SEQ ID NO:1121, b is an integer of 15 to 723, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1121, and where b is greater than or equal to a + 14. | AA402496, AI435815, AA505991, AI359093, AW197200, AA234622, AA402558, AA258509, H17033, R14272 |

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| 1122 | HPCIS18 | 875631 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 768 of SEQ ID NO:1122, b is an integer of 15 to 782, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1122, and where b is greater than or equal to a + 14. | AA313376, AW296351, I68732 |
| 1123 | HISAT54 | 875632 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 754 of SEQ ID NO:1123, b is an integer of 15 to 768, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1123, and where b is greater than or equal to a + 14. | AI913155, AI672147, AI935812, AI742124, AI953577, AI378301, AI420915, N32927, AI985091, AI633160, AA724413, AA913627, AA025763, AI569838, AI867104, AA447105, AI267291, N42073, AI963746, AA707999, AI473202, AI379471, AI383622, AA025951, AI675725, AW149902, AI114877 |
| 1124 | HLWAC54 | 875633 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 260 of SEQ ID NO:1124, b is an integer of 15 to 274, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1124, and where b is greater than or equal to a + 14. | AF130356, AB026118 |

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| 1125 | HKMAB82 | 875634 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1121 of SEQ ID NO:1125, b is an integer of 15 to 1135, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1125, and where b is greater than or equal to a + 14. | N28667, AI659988, AI082031, AI693456, AI880139, AA581592, H73764, H16504, AI871552, AI002235, AA350218, H05516, AI268133, R46302, AI417378, AA418492, AI278150, AA418394, R46207, AI281736, AI027423, R15667, AA355971, H74147, AW195643, AI478495, R62421, R62495, AW453056, AA507440, W21975, AA364092, AC006312, AF055899 |
| 1126 | HPVAB96 | 875635 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 432 of SEQ ID NO:1126, b is an integer of 15 to 446, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1126, and where b is greater than or equal to a + 14. | AA219147, AI884470, AA464382, AC006475, AL009051 |
| 1127 | HBMSX53 | 875636 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 559 of SEQ ID NO:1127, b is an integer of 15 to 573, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1127, and where b is greater than or equal to a + 14. | AA810265, AA897140, AI656737, AA768557, AA767085, AI969070, AA847937, AC005018 |

| 1128 | HCFCS58 | 875638 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2215 of SEQ ID NO:1128, b is an integer of 15 to 2229, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1128, and where b is greater than or equal to a + 14. | AI373860, AI142548, AI160244, AI803364, AA732841, AI435516, AI095583, AI076620, AI167180, AI936640, AI339776, AA969232, AW137670, AI391504, W68702, AW207539, W79914, AA917467, AI459137, AI148710, AA287408, AI762559, AI040652, AW026057, AA522920, AA866005, AI016161, AA055361, AA625635, W23647, AA707093, AA913826, AI083994, AI015839, W69531, AI796928, AI890078, AI830098, AA937098, AA305157, AI581290, C01766, AI050874, AI199472, AI097584, H92773, AI074517, AI074538, AI151312, AW028614, AI674344, AA305656, AI990059, R62238, AI095293, AI052777, AA287357, AI085262, AI354825, AA282043, AI828501, AA989141, AI936558, AA917921, AW207658, AA581990, H66449, AI809556, H66448, AI087807, AA976485, AI089883, AI161211, AW102710, AI370809, AA282205, AA358542, AW054857, AA810757, F13499, AA876563, AA215693, AI084131, AI828164, W74293, F22539, AI870008, AI671095, AA476727, AA404240, AA831950, AA026585, AA370269, AI359885, AA631293, AW340672, AL121501, N31738, D19607, AA423998, W68795, AW301681, AA037423, AA744671, AI498589, AA705091, AI185927, AA425621, W24523, R83202, AW072175, AA886734, AI568422, AI128796, AI423010, W39033, N92339, N27093, AI906207, AI354764, AI829997, AI216318, AI292222, W24115, AI700186, AW166486, AI808019, AI417379, AI274365, AI192992, AA327411, AI801970, AI560400, AI334057, AW205138, AW135446, AI356227, AI418487, AI334250, AI301676, Z39418, AW206667, AA026695, AA449697, AA307877, W69448, AW136707, AI356196, AI858772, AI268621, AW054727, AW206873, AI077709, AW300595, AI394380, AI369492, AI300626, AI702163, AW137374, AI366348, AW137612, AW104420, |
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| | | | AI354931, AI349587, AW072219, AI300618, AA362894, AI356229, N92547, AW083322, AW138524, AA906922, R21738, AA448971, AA928281, AI824781, AW404514, F10607, H92884, AW104623, AA974162, AA055693, AA282321, AI191199, W78149, AA026665, AI243453, AA884305, AI471239, AA907645, R05573, AI702878, AI953829, AA972477, AA912803, N91937, AA370270, R83201, AA026584, AI610796, AI624790, AI367991, AW089151, AA367748, T12621, AI250112, AW072490, D80024, D58283, D51060, D80522, D59275, D80133, C14331, C14389, D59859, D80043, D81026, D80022, D80248, D80366, D51022, D51799, D59610, D80269, D80253, D51423, D57483, D50979, D80166, D80195, D50995, D59467, D59619, D80210, D80391, D80164, D80240, D59787, D80227, D59502, D81030, D80212, D80196, D80188, AW377671, D80219, C14014, AA305409, D80251, AJ132110, A62300, AB028859, AF058696, A62298, AR018138, A84916, AR008278, A82595, AB002449, X67155, AR060385, Y17188, D26022, Y12724, A25909, A94995, A67220, D89785, A78862, D34614, AR008443, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR060138, A45456, A26615, AR052274, X82626, AR054175, Y09669, A43192, A43190, AR038669, AR066487, I14842, A30438, AR025207, Y17187, A63261, D50010, AR008277, AR008281, AR062872, A70867, AR066490, I79511, AR016691, AR016690, U46128, X68127, AR008408, I18367, X64588, I82448, AB012117, D13509, A64136, A68321, AR060133, AF123263, Z82022, A85396, D88507, AR066482, A44171, AR032065, A63887, AR060382 |
| 1129 | HPMKI29 | 875639 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | W91924, AW197110, AI741307, AI378575, AA713480, AI690421, AI699132, N68496, AI567731, AI928419, W91925, AI932938, AA026893, R92744, AI935511, AI242962, AI952546, AW384749, AA036709, |

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| | | | the general formula of a-b, where a is any integer between 1 to 935 of SEQ ID NO:1129, b is an integer of 15 to 949, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1129, and where b is greater than or equal to a + 14. | AI659575, AW384762, AF176699, AL022395, AF174590, AF199355 |
| 1130 | HMWFZ60 | 875640 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1404 of SEQ ID NO:1130, b is an integer of 15 to 1418, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1130, and where b is greater than or equal to a + 14. | AL135393, AI743624, AW007692, AI809103, AI693085, AW188260, AI628632, AA151384, AW170431, AI688464, AI884841, AA044177, AI435463, AI760308, AA641945, AI911252, AI808563, AA433872, AI597697, AA532734, W57862, AI187076, AI493091, AI624308, AA909039, AA856988, AA912119, AA099566, AA314491, AA603118, W60385, AI817675, AI804736, AI141817, AA635102, AA012931, AA831200, AA872405, AA099656, AW374351, AA317881, AW270235, AI128006, AA044362, AA971272, N53760, N73118, AI092800, AI125656, AA307420, AA299867, AI092789, AI087152, AI698768, AI075446, AI827489, AA909444, AI310357, W60294, AA557616, AI401792, H71979, AI201315, R91255, R53622, W57788, AA905502, AI080642, AI953627, AA040065, N49849, R51953, AI039773, R44774, AI354614, AI695145, W52685, AA641347, AA230242, AA311605, AA485131, N33951, AA001274, AA001885, AA130833, R91256, D31320, AA676280, AA947975, AA299866, AA888090, AA055655, AI028370, AA485132, AA076953, N71776, H67264, AW087608, R25747, R85994, N49662, AA382910, R40695, AI433728, AA402168, R13260, AA402822, AA502327, AA515875, AW004807, AA627525, AI826454, AA319306, AA082526, AA151383, AA074596, AA494303, R19108, AW235427, R26592, AA702744, AA130948, AI419583, AI538143, AA230299, AI656420, AA588457, N67517, |

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| | | | | AI262101, AI538153, AA078050, AC005074, AF084479, AF072810, AB032253 |
| 1131 | HUCPH16 | 875641 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1648 of SEQ ID NO:1131, b is an integer of 15 to 1662, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1131, and where b is greater than or equal to a + 14. | AI694079, AI469419, AA521321, AA621120, AI873548, AW162015, N24406, AI745250, AI816009, AI034067, AA861921, AA994985, R91349, AA732547, H99156, AA429548, R91302, AI809579, AA921820, AI471875, AA910181, AL042168, AA741400, AF071771, U09850, AF011758 |
| 1132 | HCUDA52 | 875642 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 373 of SEQ ID NO:1132, b is an integer of 15 to 387, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1132, and where b is greater than or equal to a + 14. | AA834872, F30466, F36527, F01431, AA564994, AW394057, AF001548, AC005340, AC005934 |
| 1133 | HTWCN56 | 875646 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 68 of SEQ ID NO:1133, b is an integer of 15 to 82, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AL042551 |

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| | | | NO:1133, and where b is greater than or equal to a + 14. | |
| 1134 | HWLUF58 | 875650 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 792 of SEQ ID NO:1134, b is an integer of 15 to 806, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1134, and where b is greater than or equal to a + 14. | AI148558, AI991236, AI346818, AA528254, AA573948, AA582937, AA148254, AW009953, AA278825, AI262374, AA148255, AW337649, AW292443, AI879821, AA568456, AA769741, AA441911, AA928164, AI277160, AI368975, AA442018, H16108, AI024901, W17108, AI910530, AI675866, AA278827, T25032, AA282250, AB023416 |
| 1135 | HWLMI53 | 875651 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 625 of SEQ ID NO:1135, b is an integer of 15 to 639, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1135, and where b is greater than or equal to a + 14. | AI148558, AI991236, AI346818, AA528254, AA573948, AA582937, AA148254, AW009953, AA278825, AI262374, AA148255, AW337649, AW292443, AA769741, AI879821, AA568456, AA441911, AI277160, AI368975, AA928164, AI024901, AI910530, AI675866, W17108, T25032, AA442018, AA282250, H16108, AB023416 |
| 1136 | HWLMB54 | 875653 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1136, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AI656739, AW194261, AI191572, AI686332, AW241658, AI081504, AA287936, AW439964, AI147409, AI073550, AI627477, AA570523, AI149073, N23389, AW148760, AI952927, AI039002, AW170120, AI953877, AI478397, AI203256, AA057114, AI077376, AL043541, AI631759, AI302584, R46593, AA776807, AI471297, H08065, AI825574, AI000483, AI474396, AA993288, R60870, R49614, D63065, AI188876, AI471175, AI565375, R42276, AW130341, AI381205, AA025481, D60482, |

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| | | | NO:1136, and where b is greater than or equal to a + 14. | AI381203, AW135516, AW139222, AI864636, AI783564, AI439711, AI969032, AA828409, AI914914, AI302951, D62081, R38686, AI351832, F10577, AA215377, R77944, R42277, AA170804, H24643, N71896, AA025591, H25840, H02001, N26541, R78406, C02270, AI298146, D79240, AA057854, AA288000 |
| 1137 | HOEEY53 | 875654 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 659 of SEQ ID NO:1137, b is an integer of 15 to 673, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1137, and where b is greater than or equal to a + 14. | AL119748, AL040243, AL041862, AL045500, AW087445, AW071349, AL042745, AI433976, AI433157, AI702406, AI275175, AL042628, AI564719, AI521012, AL079977, AL049085, AI580190, AI500659, AW301409, AI620284, AA640779, AI539771, AI500077, AI538716, AL047763, AL045266, AL040169, AL042627, AL121270, AL119049, AW082113, AI469532, AI537677, AI818683, AI340582, AL121328, AL040097, AI436456, AL119791, AL036146, AI815855, AW074993, AW238730, AL121365, AI064830, AI349772, AI349256, AL036396, AI863014, AW117882, AA572758, AI207510, AI499463, AW103371, AI349645, AL042744, AL036361, AL038605, AL036403, AW071417, AI866457, AI349004, AL036802, AL045620, AI536685, AI500523, AL039276, AI919345, AW169671, AI497733, AI269862, AI567351, AL046926, AI284517, AA613907, AW268253, AI537515, AL036274, AI349598, AL045163, AL121463, AI340603, AW089572, AI687728, AI281779, AI440239, AI281773, AW302988, AI312428, AI783504, AI868831, AI524671, AI866608, AI590120, AI619502, AI802542, AW169653, AW026882, AL048656, AI475371, AI498579, AL119828, AI312152, AI345735, AI432656, AL079963, AI499393, AI349933, AI349937, AI364788, AI491776, AI824557, AI934036, AW162071, AI612913, AI801325, |

AW148716, AI500706, AL048871, AI445237,
AI348897, AW151138, AI440426, AI500662,
AI687127, AI284509, AI499512, AI633493,
AL135661, AL036980, AI857296, AI702433,
AI521560, AW303152, AA508692, AI866573,
AI434256, AI475817, AI815232, AI284513,
AW148320, AI631107, AI800453, AI800433,
AI888118, AI560012, AI285735, AI625079,
AI635461, AI679724, AI920968, AL042551, F37439,
AI690835, AI572787, AW075351, AW068845,
AI648684, AW403717, AI687362, AW268220,
AI610362, AI282655, AI872711, AW150578,
AL047041, AI873731, AI499920, AI349614,
AA427700, AA470491, AI432666, AI697137,
AI929108, AL042787, AI636456, AI343112,
AI608667, AW002342, AI475451, AI682841,
AI224992, AI866780, AI799199, AI273142,
AI282281, AI250293, AI269696, AI869367,
AW104724, AI888661, AL042538, AI610307,
AI340519, AL047042, AW074869, AI633419,
AI866002, AW083804, AI922901, AI439087,
AL120736, AI687415, AI610645, AW302965,
AI590128, AW274192, AI491852, AI862144,
AI285826, AI433037, AW161579, AI539153,
AL043981, AW151485, AI554245, AI537244,
AI274541, AI307708, AI446606, AA804740,
AL120853, AI754897, AA225339, AL036631,
AI445432, AL036759, AI254251, AI366549,
AI309401, AI610429, AI889189, AW301300, F37471,
AL120854, AI671679, AI568870, AI637584,
AI758437, AI445025, AL038779, AW075413,
AW020693, AI445165, AI580984, AI906328,
AI554427, AI597918, AW082040, AL046849,
AF090901, I48979, AF090903, AL050108, AF090934,
U91329, AF113690, AF118064, I89947, AL117457,
AF090943, AF113013, AL133640, AL137459,

AL133016, AF078844, AF090900, AJ242859,
AL117460, S78214, U42766, AL050393, AL049452,
AL050116, AL133557, AL050146, I89931, A08916,
AL110196, AL122050, Y11587, S68736, AF017152,
AL080060, AL133080, AF113699, AF104032, Y16645,
Y11254, AF113691, AL110221, AF113694, A08913,
AL049938, AL050149, I48978, L31396, L31397,
AR011880, AL049466, AL137527, AL133606,
AF118070, AF125949, AF106862, A93016, I33392,
AL133075, AL133113, AF113677, AF097996,
AL137557, AF079765, AR059958, AL050277,
AL133093, AL096744, AF090896, AF113019,
AL122049, AL117583, AB019565, AL122093,
AL117435, AF113689, A08910, I49625, AL049464,
AL049382, AL049314, X84990, E07361, E07108,
AL049300, AF113676, AL080137, AF111851,
AL137550, AJ000937, AL117585, AL122121,
AF158248, AL133560, AL080124, AL122123, A65341,
X63574, E03348, X70685, A08909, AL117394,
AF017437, AF177401, AL133565, U00763, AL049430,
AF125948, AF146568, AF091084, AL137463, A03736,
U72620, AL137283, AL122098, AJ238278, AL110225,
AL122110, X82434, A58524, A58523, AF118094,
AL137538, AL050138, X72889, I09360, AL050024,
A77033, A77035, E02349, AL137648, X65873,
X96540, I03321, Z82022, AF183393, A12297,
AL137271, AL080127, U80742, X93495, U35846,
AL133072, AL137521, AF087943, AL049283, U67958,
AL080159, X98834, A08912, AL110197, AL133077,
AF061943, E08263, E08264, E15569, I42402,
S61953, AF067728, AL133014, AJ012755, AL133568,
I26207, AL137560, U78525, A93350, AF119337,
AF111112, AR000496, U39656, AF081197, AR038969,
AC006371, AL050172, AR054984, AF026816,
AL137556, AL137523, I17767, AF026124, Y14314,
AL137526, AF153205, AF008439, AL133104,

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| | | | | AL133098, U96683, AL137488, AF003737, AF185576, AL110280, AL133067, E05822, Z72491, AF079763, Y09972, AF081195, AF106827, A07647, M30514, AL122111, Z37987, E02221, AF057300, AF057299, AR013797, AF162270, U68233, I92592, A90832, E08631, A45787, AL117440, AL137476, AF000145, U68387, AR038854, U58996, I00734, X87582, L30117, E00617, E00717, E00778, Y07905, AC004200, AL080074, X83508, E04233, AJ006417, AF111849, U49908, AC007458, AL137533, AL133081, X92070, AF118090, AL117432, AL080158, AL137480, Y10655, AF095901, L19437, AF132676, AF061836, AF210052, AC002464, AL050092, AL137273, A08911 |
| 1138 | HUCQC25 | 875658 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 544 of SEQ ID NO:1138, b is an integer of 15 to 558, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1138, and where b is greater than or equal to a + 14. | AA994842, AW081730, AA001654, AI420895, AL137442 |
| 1139 | HCRMS71 | 875661 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 775 of SEQ ID NO:1139, b is an integer of 15 to 789, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1139, and where b is greater | AI693010, AA715045, AI885216, AI207366, AI357907, AI784056, AA621429, AW293970, AW204373, R43334, AA523584, AA781484, N94933, AB007870, AF000899, AL035697 |

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| | | | than or equal to a + 14. | |
| 1140 | HWLMS13 | 875662 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 816 of SEQ ID NO:1140, b is an integer of 15 to 830, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1140, and where b is greater than or equal to a + 14. | W32981, N46181, N46187, AA173644, AA352233, AA384809, R31168, W93675, U68494 |
| 1141 | HE6GF82 | 875663 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1096 of SEQ ID NO:1141, b is an integer of 15 to 1110, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1141, and where b is greater than or equal to a + 14. | AW003091, AA033907, AW292095, AW003066, AA994829, AA477259, AI203380, AW051389, AA481953, AW297105, AI168181, AI311568, AA402560, AI983314, AA402729, T32956, T15739, AI283188, AI206971, AI216276, AI285095, AA722476, R16257, F10673, AI888416, AA477907, AI424752, AW002217, AA082650, N83203, AA034007, AA701213, T47308, AI669678, F04444, AI868114, T47307, F01597, F01744, Z19661, AA041439, AW169604, AA455772, AW105601, AI587143, AI589267, AI340519, AI554821, AI682725, AI612885, AI784252, AI590423, AI288285, AI889168, AI345005, AI340511, AI799195, AI862144, AW059713, AI866465, AI310575, AI623746, AI887247, AI950664, AI340533, AI866770, AI273094, AA420722, N72726, AI890806, AL036664, AW075207, AI955906, AI343091, AI624056, AL036980, AI312428, AW268072, AI345735, AI811785, AI826225, AI431424, AL036631, AI307210, AW089471, AI500659, AI440263, AI313320, AW054931, AI340627, AW193134, AI379711, AI310504, AI312146, AI312339, AI345258, AI628296, AI349645, |

AI470293, AW071349, AI916419, AW196299,
AI311604, AI811353, AW151138, AI624953,
AI890907, AI868204, AA012905, AL038605,
AI634224, AW090726, AI306705, AI349957,
AI817237, AI283941, AI798373, AI478639,
AW022682, AI280747, AI862142, AI247193,
AI538850, AI680113, AW071380, AI934036,
AI963668, AI349028, AW191916, AI567971,
AW170700, AL121496, AW193000, AI312152,
AI345347, AI758437, AW075084, AI309443,
AW196037, AW163834, AW118508, AI159837,
AI348914, AI567612, AI349937, AW020693,
AI354283, AL048644, AI689702, AI307543,
AI334884, AI348897, AW151786, AI349598,
AI307708, AI312325, AI270707, AI340659,
AA761557, AW269097, AI310940, AW151136,
AI445115, AI963224, AI313352, AI539771,
AW072588, AI334930, AI307736, AW080279,
AI471282, AI307520, AI917123, AI340603,
AI889147, AI433384, AI499986, AI349186,
AI537677, AW089572, AI445237, AI494201,
AW083804, AI608667, AW191844, N71180, AA508692,
AI345739, AW088037, AI312143, AI690748,
AI440426, AI612750, AL119836, AI654601,
AW059828, AI434256, AW131428, AI336495, N75771,
AW301300, AI815232, AI801325, AA493647,
AI500523, AI310582, AI915291, AI274541,
AI623682, AI349955, AI582932, AI284517,
AI923989, AW075093, AI564736, AI500706,
AI491776, AW268067, AI521560, AI889189,
AI500662, AI284509, AW172723, AA641818,
AI433037, AI349246, AI623796, AW081449,
AI866573, AA579232, AI343037, AI633493,
AW161579, AA635382, AI349256, AI270055,
AI567582, AI805769, W33163, AI251221, AI888661,
AL036705, AW268253, AL046463, AW191003,

AI284513, AI362637, AI573026, AI888118,
AL039086, AC006276, A74801, AL049314, A08916,
AC004943, A08910, A08909, AF090943, I89947,
AL049423, AF039138, AF039137, AF097996, E02349,
AL049452, AF124728, U42766, I48978, A08908,
AL133098, A08913, AL050146, I89931, Y11254,
AR038854, I49625, AL122049, A07647, U80742,
AJ012755, Y10080, AF079763, AL122110, AF091084,
AL122050, AF118090, AJ242859, AL050108, X96540,
AF026816, AL049464, AL110280, AF017437,
AL117460, I66342, AL137463, AL137271, AL117394,
AF111851, AR068753, M30514, X72889, A58524,
A58523, AF119337, X70685, I03321, AF090900,
U68387, A08912, AL110225, U91329, AF057300,
AF057299, A93016, U00763, AF113694, AF118094,
AL110196, AF106827, U58996, AF153205, A93350,
AF061943, AR020905, AF113677, AJ000937, Y10936,
AL133081, AL137459, AF111849, AL133557, E07108,
AL050149, AL117435, U35846, A65340, AL049430,
Y09972, L31396, A90832, L31397, AL080124,
L13297, A65341, AL049466, AL117649, AL110221,
AF113676, Y08616, AL050138, X83508, I00734,
AF003737, AL137556, AL137526, AL049938,
AL133080, I33392, AL133640, AL117583, AL117585,
AF017152, X59414, E00617, E00717, E00778,
AL133077, X86693, U78525, AL133113, AL133072,
AL137480, AL122123, S78214, E07361, A18777,
AR013797, AF113019, AL137283, AF175903,
AL049283, AF069506, Z82022, AJ238278, Z37987,
AL117457, AF177401, AL122093, AL137550, X93495,
AL133606, AL137521, X98834, AF081195, AF113013,
AL035458, AF078844, AF113690, AF126247, E05822,
AL137560, Z72491, AF000301, AL137529, E08631,
AF125948, AL049347, AF146568, A12297, AF061573,
AR011880, I09360, AF067728, Y11587, I26207,
AL122118, AF113691, AB019565, AL133104,

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|---|---|---|---|---|
| | | | | AL133067, AL050277, AL049300, AF118064, AL137557, AF118070, AF113699, AL137648, AL080158, AF125949, AL133568, AF090896, Y07905, X63574, I08319, AC009501, U72620, I89934, X82434, L10353, E04233, A77033, A77035, AL080159, AF087943, AR000496, U39656, I48979, AF183393, AF026124, AF090903, Y14314, AL133016, AL096744, AJ003118, AF158248, AL133014, AL133665, AL137476, AL133560, S61953, AL080086, AL137538, M86826, X84990, AL133075, AL050116, I09499, AL117440, AF185576, AL050092, AF079765, A03736, AJ006417, AL137292, AF106862, AC002467, I41145, AF162270, A08907, AF100931, AL137478, X62580, AF051325, AR038969, AF047443, AF061795, AF151685, A45787, AL137656, AF081571, T66716 |
| 1142 | HSPBC14 | 875665 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 392 of SEQ ID NO:1142, b is an integer of 15 to 406, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1142, and where b is greater than or equal to a + 14. | AW439287 |
| 1143 | HOCNE41 | 875669 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1143, b is an integer of 15 to 421, where both a and b correspond to the positions of | AW206400 |

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| | | | nucleotide residues shown in SEQ ID NO:1143, and where b is greater than or equal to a + 14. | |
| 1144 | HCQBE51 | 875672 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 252 of SEQ ID NO:1144, b is an integer of 15 to 266, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1144, and where b is greater than or equal to a + 14. | AL134350 |
| 1145 | HWLMX40 | 875673 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 711 of SEQ ID NO:1145, b is an integer of 15 to 725, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1145, and where b is greater than or equal to a + 14. | AW248502, AA868598 |
| 1146 | HCRMB51 | 875677 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 421 of SEQ ID NO:1146, b is an integer of 15 to 435, where both a and b correspond to the positions of | AA251591 |

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| | | | nucleotide residues shown in SEQ ID NO:1146, and where b is greater than or equal to a + 14. | |
| 1147 | HGBBH61 | 875678 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 519 of SEQ ID NO:1147, b is an integer of 15 to 533, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1147, and where b is greater than or equal to a + 14. | AA664156, AA767729, AA402095, AI700767, AA401940, AI935241, AW269601, AA345071, AW363622, AW074281, AI888088, AA054585, AW371974, AW362940 |
| 1148 | HCRNZ51 | 875680 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 382 of SEQ ID NO:1148, b is an integer of 15 to 396, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1148, and where b is greater than or equal to a + 14. | W24854, AA279745, H29979, AI370512, AI149061, AA401945, AW270474, AC002094, AL021393, AL133163, AC004601, AC006449, AC005684, AL139054, AL109798, AL121655, AL031591, AB023051, AC005249, AL033527, AL035587, AC004966, AC004491, AC002538, AP000512, Z83826, U95739, AC004675, AL031597, Z95152, AF088219, AC010582, AC007057, AL049872, AC000026, AL021939, AC007738, AC002059, AC006538, AC005792, AC009263, AL020995, AC002350, AC006166, AL008732, AL121587, AL079333, AC003071, AC006540, AP000694, AL031005, AC012384, AC002565, AC004263, AC005197, AP000697, Z83822, AL049776, AC006571, AL031056, AC007637, AC004106, AL021578, AC003101, Z84466, AC005952, Z93242, AC006160, AL024508, AP000152, AC007676, AC002365, AL049745, AC005207, AP000008, AC004895, AC005844, AC002119, Z95113, AC004253, AC004685, AF196972, AP000704, AF030453, AC005886, X94768, AL022336, AL049759, AL009181, AC005520, AC005088 |

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| 1149 | H2CAA51 | 875681 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 526 of SEQ ID NO:1149, b is an integer of 15 to 540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1149, and where b is greater than or equal to a + 14. | AA306969 |
| 1150 | HT3AI55 | 875682 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1467 of SEQ ID NO:1150, b is an integer of 15 to 1481, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1150, and where b is greater than or equal to a + 14. | AI088910, AW043896, AA005100, AA262517, AI470354, W78980, R89654, AA261819, AI079770, AA037517, AA328236, AI584124, H19672, AI247711, AI217267, AL121782, AB034617, AL121754 |
| 1151 | HLWBA37 | 875683 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1078 of SEQ ID NO:1151, b is an integer of 15 to 1092, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1151, and where b is greater than or equal to a + 14. | AI458851, AA142939, AA936413, AI741509, AI335942, AI002201, AA150633, AA446254, AW003610, AI091446, N62521, AI800649, AI880031, AA029154, AA776155, N31764, AA029051, N24835, AI610362, AI582932, AW075413, AI889189, AI433976, AA429993, AL045500, AI433157, AL042753, AI539771, AI923989, AI537677, AI500659, AI801325, AI500523, AI284517, AI500706, AI491776, AI445237, AW151138, AI521560, AI500662, AI284509, AI866573, AI633493, AI434256, AI888661, AI284513, AI888118, AI611738, AI251205, AI275175, |

AI434223, AI554821, AL042551, AI866510,
AL036146, AI889168, AI620284, AI815232,
AI340603, AI567360, AL046926, AL042787,
AI440252, AI499463, AI890784, AW075351,
AI800433, AW151136, AL079963, AI678357,
AA938383, AW082113, AI270183, AI440239,
AL041772, AL045266, AI269862, AI800453,
AI537273, AL047763, AL040243, AI436456,
AL042628, AI932794, AI963846, AI567940,
AI345608, AW301410, AI817244, AI537515,
AI612913, AI567993, AI285826, AI863014,
AI475371, AI499512, AI889133, AI282281,
AL043293, AI334884, AI610645, AI610402,
AI917252, AI610429, AI349598, AI889148,
AW074993, AI349614, AI364788, AI521594,
AL042538, AI632408, AI572787, AA508692,
AI312152, AI567935, AI869367, AI630928,
AW129106, AL119863, AI432656, AI349937,
AI348897, AI307708, AI796743, AI815855,
AI538085, AI457369, AW148320, AI539028,
AW073994, AI889953, AI281782, AI500077,
AW238730, AI590830, AI802542, AW083804,
AL042627, AA572758, AI499285, AW274192,
AI950892, AL045620, F27788, N80094, AW071417,
AI308032, AI345745, AI348854, AI344785,
AI805769, AL036396, AI340582, AI866608,
AI539847, AI432666, AI434468, AI890833,
AI344817, AI926790, AI539632, AI564719,
AI612885, AI591420, AI889376, AA420758,
AI648663, AL038605, AI524671, AW051258,
AW074869, AI873731, AI619502, AI677796,
AW268253, AI922901, AI288305, AW118518,
AL121496, AI866457, AI913452, AI570807,
AW026882, AW050522, AI923370, AI345735,
AI281772, AL121286, AI371251, AI345416,
AI921248, AI345612, AW188539, AW301300,

AI702073, AL079740, AI804983, AW269097,
AI933589, AL042745, AW169653, AI648684,
AW268220, AI334450, AI345415, AW117746,
AI274508, AI476046, AI633125, AI345471,
AW302988, AI886753, AI698391, AI312428,
AI783504, AI572418, AI686906, AI654276,
AI349645, AL119049, AI682743, AI866770,
AI758437, AI433037, AI873644, AI627988,
AI309401, AI343112, AI889147, AW148294,
AW089572, AI498579, AI064787, AI349256,
AL039276, AI805762, AL041862, AL039086,
AL048496, AW059837, AI955917, AI620003,
AI446538, AI499986, AI633419, AI554245,
AI306613, AI349957, AI284131, AB032963, U72620,
I48979, I48978, AF113689, I89947, A08913,
X72889, AF090903, AL133565, A65341, I33392,
A08916, AL110221, AF090896, AR011880, AR059958,
X63574, A08910, L31396, A08909, Z82022, L31397,
AF113699, AL117583, I89931, A03736, I49625,
AL117457, AL117435, A77033, AF090934, AL050146,
E03348, AL050138, AF113690, A77035, AL133016,
AL022165, AL122110, S68736, AC006501, AF113677,
AL049452, AF106862, AL137538, AF158248, U42766,
AF090901, AL050393, AL133606, AJ012755, Y11587,
AL049382, AL137459, U80742, AL122093, AL137527,
AL080060, AF113019, X82434, AL133080, S78214,
AL137271, AF183393, X93495, U35846, E07361,
A58524, A58523, AL137550, AL133557, AF091084,
AL050149, AF087943, E02349, AL133560, AL050024,
AF118070, AL080159, AL049430, AL133640,
AF113013, AJ242859, AF177401, AC007877,
AF078844, AL122121, AL122049, AL049464,
AL122050, X70685, AL117460, AL122098, AF113676,
Y16645, AL137557, AL110196, AL050277, AL117585,
AF146568, AL133113, AL122123, AF113694,
AF017437, AF118064, AF097996, AL049938, U00763,

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| | | | | AF104032, AL080124, AL133072, AL049466, A08912, I03321, AF118094, AF090943, AF111851, AJ238278, AF125948, X65873, AF079765, AF067728, AJ000937, AF113691, AL133075, AL050116, AL050108, AL137463, AL080137, AB019565, AL049314, E07108, AF090900, AF125949, AF026816, AF003737, S79832, X84990, AF026124, AF061943, AL133093, AL049283, Y11254, A12297, A93016, U67958, AL137648, AF017152, AL080127, AL110225, AL117394, AF022363, AF162270, I42402, L30117, AL049300, AL137560, AL096744, AL137521, X96540, AC004383, I26207, AC007179, S61953, AF008439, I09360, E15569, U91329, AC004686, A93350, AF119337, AF110520, AC002464, AL110197, Z98036, AC004883, U96683, AL133077, AR038969, AL137283, AC006336, X98834, AC007748, AR000496, U39656, AL022147, AL050172, AF111112, AL137526, AL133568, E08263, E08264, U95739, AC006017, AF185576, AL137533, E04233, AF153205, AL133104, AF057300, AF057299, Y14314, AL110280, AL022723, AL117440, AL133014, AC004837, AR034830, I96214, AF106827, AC008394, E05822, AL133665, AF079763 |
| 1152 | HE2LP33 | 875687 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 520 of SEQ ID NO:1152, b is an integer of 15 to 534, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1152, and where b is greater than or equal to a + 14. | |
| 1153 | HCRMN10 | 875688 | Preferably excluded from the present invention are one or more | AB021638, AB023431, AC005954 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 387 of SEQ ID NO:1153, b is an integer of 15 to 401, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1153, and where b is greater than or equal to a + 14. | |
| 1154 | HKMMR61 | 875689 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1093 of SEQ ID NO:1154, b is an integer of 15 to 1107, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1154, and where b is greater than or equal to a + 14. | W72774, AI961188, AA985560, AI269056, AA076186, AA541279, N46999, N51479, T67962, N53622, AL080011, AI952780, AI634350, AW055252, AI887163, AA969375, AA218835, N27874, AI540179, AW050850, AI818353, AI927233, AA528641, AA857847, R81679, AI440399, AI491775, AA594699, AA514684, AA721581, AA814782, AI635634, AA834534, AW163834, AI184903, AW149925, AI623941, AI524179, AI784214, AI539153, AA504514, AW132065, AI611743, AA878955, AI583578, AI824688, AI912434, AI683897, AA015749, AA196287, AL042191, AL049872, U62317, AC002471, AC005374, AC004383, AC006013, AC004878, AL022721, AL035458, AC004837, AC005291, AC004797, AC004934, AC006561, AL035587, AC005829, AC003041, AC002558, Z99495, AC005091, AC005156, AL035687, Z82206, AP000255, AC004941, AL034400, AL022165, AF031078, AF109907, AL110280, AP000213, AF030876, AC006017, AC004987, AP000135, AC005815, AC007458, AC006115, AC006222, AP000247, AL078463, AP000344, AC006344, AP000031, AC005488, AL031346, AL050322, AP000697, AL031281, AC005876, AL137270, U95739, AP000130, AP000208, AF207550, AC002464, AL096776, AC002472, AL022400, AC007172, AL133245, |

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| | | | | AL031732, AL137716, AC004253, AL031984, AC002540, AC007193, AL020997, AF042090, AC006112, U52112, AP000152, AC002430, AF184110, AC002551, AF111168, AC006501, AF130343, AL096791, Z83840, AC005011, AC007384, AL050318 |
| 1155 | HUFDC50 | 875690 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 605 of SEQ ID NO:1155, b is an integer of 15 to 619, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1155, and where b is greater than or equal to a + 14. | AA489935 |
| 1156 | HKLAB51 | 875697 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 517 of SEQ ID NO:1156, b is an integer of 15 to 531, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1156, and where b is greater than or equal to a + 14. | AA542845, AA782986, AW173084, AA971073, AW183046 |
| 1157 | HCGBB63 | 875698 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 812 of SEQ ID NO:1157, b is an integer of | AI568430, AI246554, AW027069, AA877169, AW149590, AI183422, AA716169, AI090869, AW005361, AA557127, AA993093, AW161538, AI214928, AI379010, AA506979, AI687187, AA433903, AA642688, AI335958, AI333689, W57684, AI040452, AI275620, AA890300, AI190701, AI290057, AI348102, AA926808, AI031596, N90906, |

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| | | | 15 to 826, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1157, and where b is greater than or equal to a + 14. | AA872078, AI299396, W94366, N41036, AI282284, AI185236, AA453236, AI355169, W94475, AA948179, AW025303, AI146903, AI826491, AA827294, AI193123, AA451693, AI168575, AI268775, AI832661, AA885921, AI318374, W78211, AI797521, AW161473, AI878908, AA676574, W16482, AI140474, W19391, AA453076, AA807423, AW376438, W46807, F27907, H70310, AA746789, H22415, AA873324, AA427994, H18364, W16663, AA826881, H18333, C03502, F35271, F34797, AA375365, F32270, W46925, F35644, AA650485, AA758625, N89448, AA889188, AA494406, AA310092, H70822, AA906816, AA338496, AI335184, AA365661, AI906375, AA341769, AI459562, AA507722, C04086, AA327882, AA625863, F36483, AI906786, AA434582, H44893, W70314, H70823, AA583003, W31888, C01703, AI249827, F28846, H40883, AF044953, X59697 |
| 1158 | HRGDD40 | 875699 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 600 of SEQ ID NO:1158, b is an integer of 15 to 614, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1158, and where b is greater than or equal to a + 14. | AA827755 |
| 1159 | H2LAD49 | 875700 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 580 of SEQ ID NO:1159, b is an integer of | AI674404, AI091450, AA313891, N64362, AA593226, AW135198, D51423, D58283, D80253, D80188, D59859, D59610, D59502, D80227, D57483, D59275, D80022, C14331, D80166, D80366, D80195, D50979, D59619, D81030, D80210, D51799, D80391, D80164, D80240, D59889, D80043, D59787, D80269, D80212, D80196, D80378, D80038, D80219, D59467, D59927, |

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| | | 15 to 594, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1159, and where b is greater than or equal to a + 14. | C14389, D80193, D50995, C15076, D80024, D80241, AA305409, C14429, T03269, D80045, AW178893, D51060, C75259, C14014, AW178775, D51022, D80134, AW352158, D51250, AW179328, D81026, AW177440, AW378532, D80168, AA305578, D51079, D59695, D80251, D58253, F13647, D80522, D80248, C14227, AW178762, AA514188, AW177501, C14298, AW177511, D80133, D81111, Z21582, C14407, AA514186, AW360811, AW378540, AW377671, C05695, AW375405, AW179012, D80268, AW179024, AW178971, D80132, AW366296, AW179020, AW360817, AW375406, AW177456, AW378534, AW352171, AW179332, AW377672, AW179023, AW178905, AW179007, AW178754, AW177714, D59373, AW377676, AA285331, AW360834, D51097, D80302, D80014, AW179004, D80439, AW178906, AW352170, AW177731, AW178907, AW179019, AW179018, D80247, AI557751, AW378528, AW178908, D51103, AW352174, T11417, AW178983, AW178914, AW378543, AW378525, D59627, D80157, T03116, AI557774, D51759, AW178774, AW178781, AW352163, T48593, C06015, D50981, D80258, D51231, AW178755, D59653, T02974, H67854, AW178986, D45260, D51213, AW378533, AW367950, AA809122, D45273, T03048, C03092, AI525923, H67866, C14957, D59503, D59317, H67858, C14344, C14973, AI525917, D58246, AW179013, D80064, C16955, D51221, D59474, D59551, AI525920, AI525237, D60010, AA514184, D58101, AI535686, AI525235, Z30160, AI525227, AI535961, C14046, Z33452, AI525222, AI525242, A84916, A62300, A62298, AJ132110, AR018138, Y17188, X67155, D26022, A25909, A67220, D89785, A78862, D34614, I82448, D88547, AR008278, AF058696, X82626, AB028859, AR025207, Y12724, AB012117, A82595, X68127, AB002449, A94995, A85396, AR066482, AR060385, A44171, A85477, AR008443, I19525, |

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| | | | | A86792, U87250, X93549, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AR054175, Y09669, A43192, A43190, AR038669, AR066487, A30438, I18367, D88507, I14842, D50010, Y17187, AF135125, AR008277, AR008281, X64588, A63261, AR008408, I79511, AR062872, A70867, AR016691, AR016690, U46128, D13509, AB033111, A64136, A68321, AR060133, AR064240 |
| 1160 | HMSGN49 | 875703 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 345 of SEQ ID NO:1160, b is an integer of 15 to 359, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1160, and where b is greater than or equal to a + 14. | AW294985, AI656659, AI950220, AI624744, AW003841, AW081373, AI652917, AA332683 |
| 1161 | HWLMC49 | 875704 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 619 of SEQ ID NO:1161, b is an integer of 15 to 633, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1161, and where b is greater than or equal to a + 14. | AA827244, T79702, T82086 |
| 1162 | HAVME52 | 875705 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AF109298, AW131127, AI092766, AA149579, N52554, N59831, AA151796, AA687571, AI474235, AA658141, AA296298, AA177004, W31561, AA523588, AI525303, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1408 of SEQ ID NO:1162, b is an integer of 15 to 1422, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1162, and where b is greater than or equal to a + 14. | N59830, AA662843, AA151807, W32120, W32085, W31628, AA523333, AC002064 |
| 1163 | HCQDP49 | 875708 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 499 of SEQ ID NO:1163, b is an integer of 15 to 513, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1163, and where b is greater than or equal to a + 14. | H29023 |
| 1164 | HCROW44 | 875717 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 563 of SEQ ID NO:1164, b is an integer of 15 to 577, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1164, and where b is greater than or equal to a + 14. | T68115, AF090125, AF074264, AC007537, AF074265 |
| 1165 | HDPHF03 | 875719 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AW237145, AI964041, AI652991, AW388333, AW388283, AW388339, AW388453, AW378440, AW388413, AW388414, AI634155, AW388480, |

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| | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 651 of SEQ ID NO:1165, b is an integer of 15 to 665, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1165, and where b is greater than or equal to a + 14. | AW388438, AI624430, AI677965, AI492186, AW388607, AW388633, AW388711, AI694383, AI963871, AI015391, N26502, AW388591, AW388449, AW388687, AW388511, N59336, AI352317, AW197113, AW366319, AI476054, AA526522, AW388455, AW388543, N67998, AW388336, AW388273, AW388642, AW388570, AW388358, AI206626, AW352126, H06135, R38073, AA639698, AA227926, AI001745, AW388561, AI267688, AW378421, AW378465, T32854, AW388265, AI619649, R44314, AW388270, AI423703, F10774, AW388586, R37116, T16595, C00538, R40211, H05894, AW388632, AW388615, AA227760, AW352118, AW023625, AW080157, AA693354, AW161156, AW020693, AI590043, AI623941, AI923446, AL079963, AI421662, AI567971, AI469754, AW089844, AA720970, AI696583, AI923989, AI818353, AW129264, AI559752, AL038986, AI500061, AI635082, AW163464, AI401697, AW059828, AW161098, AW020480, AI491842, AI538850, AL042944, AI619820, AI434731, AI114703, AI633125, AI698391, AI802695, AL120700, AI686808, AL040161, AI744204, N25033, AI673278, AI370623, AW168406, AL120526, AL040844, AA641818, AL036954, AA832154, AI610714, AW160916, AI818574, N29277, AW188525, AI538829, AI612747, AL043152, AW151974, AI890907, AI799228, AI817373, AL120588, AL045413, AI539690, AI627988, AI628325, AA907131, AW024921, AI567582, AI247082, AW023338, AI610690, AI884459, AL046942, AI866801, AL134999, AL121014, AI798456, R20540, AI446775, AL048323, AL120056, AL048340, AL047344, N33175, AA937574, AL119863, AI801793, AI440238, AI583578, AW051088, AI244343, AL045986, AI929108, AL135517, AL080011, AW160905, AI285514, AI887308, AI307604, |

AI374987, AI687568, AI580190, AL043196,
AI866131, AI590943, AI699823, AA128805, T95813,
AA814990, AI523973, AI815237, AA292158,
AI863241, AI285439, AI097137, AI638644,
AW169671, AI631076, AA928539, AI824688,
AI824576, AI866465, AI872104, AI969655,
AI686576, AW087445, AI952306, AI909641,
AL036638, AI766348, AL040169, AW151132,
AI628850, AI289483, AI457113, AI687944,
AI522052, AW021662, AW188390, AI538764,
AI682971, AI909697, AI536685, AI815232,
AI866090, AI824375, AW162118, AI635950, T66952,
AI874238, AW027898, AI687614, AA847198,
AI580697, AI631082, AL039274, AW021717,
AI421252, AI349012, AF090901, I48978, AL137533,
AC007458, AF183393, Y16645, A12558, AF090934,
AF113694, AB016226, AF090900, U68387, AL133049,
AF079763, AL050149, AF111851, AF002672,
AF115392, M85164, AF114784, AJ005690, A65965,
AF126247, AF126488, A65943, AL050172, AF106657,
I48979, Y10655, X79812, AL117457, U62807,
AF124728, AL050143, Y13350, AL137539, X66871,
A77033, A77035, AL137554, AL096744, U72621,
AL049452, S61953, AL122050, AB025103, AF090886,
AL050116, AF125948, AL137488, AF113690, A65340,
M85165, AJ000937, A03736, M79462, AL117635,
AF113019, A65341, AL122104, AL133557, AL122093,
AL133619, AL050393, AL133665, S36676, AL137459,
AL110225, Y07905, X65873, AF008439, AL137550,
AL133623, AF111849, AF090903, I00734, U92992,
AF087943, Z37987, E00617, E00717, E00778,
D83032, I89947, AF078844, AL122110, A08456,
AF159615, I09499, AL133113, AF139986, AF182215,
AL133560, Y11254, A08913, X89102, A91160,
AJ010277, AL137254, A91162, AF192522, I28326,
AR066485, X70685, Z82022, I80062, AF017152,

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| | | | | AL122100, S83440, AF177401, AL035458, AL137463, A08910, E08516, AF077051, AL049283, AR060156, U42766, A58524, A58523, U75932, A08907, A18777, A31057, AF118094, AL133080, I33392, AL137530, E07108, AJ006039, U73682, E02221, AL080124, AL133559, I89931, AR020905, AL133637, AL080227, E03671, A76335, AF031147, AL050146, AL137660, U78525, AL133031, AL137267, X81464, I49625, A08909, AF082526, AF119336, AL049382, AF004713, I61429, AF026124, AF061795, AF151685, AF004162, AL110222, AL137480, AF131773, AL049430, AL137529, AL023657, X99971, A08912, AR034821, AL122121, AF057300, AF057299, AF104032, X72889, A08911, AF113013, AL050170, AF100931, AL137557, AL117587, AF132676, AF118090, AF061836, AL137658, AL133014, AF146568, S77771, AL137479, AF126372, AL117648, AL137627, AR013797, AL133084, AF162782, AL137471, Y09972, U75304, AL137294, S76508, A18788, AR038854, S78214, AL110159, Y08864, AF113699, AL137560, AF106827, AF118092, AF142672, AB007812, AF185614, U37359, AL133568, AL080129, AF019298, I34395, I18358, AF000167, AF097996, A08908, AF201468, AL133640, AR012379, X72624, AL080110, AL117460, M96857, E12580, U51123, AR068753, AL096728, AL117435, AL122123 |
| 1166 | HCRMO82 | 875722 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1063 of SEQ ID NO:1166, b is an integer of 15 to 1077, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AI819400, AI814979, AA044953, AI689770, AA018062, AI590996, AI760506, AI910522, AL119008, AA135834, AA989500, AW451393, AA988092, AI741134, AA721752, AW316860, AI823528, AI672307, AW451917, AA911199, AI656437, AL119009 |

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| | | | NO:1166, and where b is greater than or equal to a + 14. | |
| 1167 | HFCDF47 | 875724 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1163 of SEQ ID NO:1167, b is an integer of 15 to 1177, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1167, and where b is greater than or equal to a + 14. | AI817320, AI147544, AI669712, AA610839, AI955720, AI056448, AI056793, AA402968, AI982764, AA909968, AA643704, AI499360, AW169601, AA832501, AI284966, AW272685, AA665839, AA922928, AA653898, AA470857, AA911776, AI359243, AI423624, AI587214, R14201, AA316613, AA883307, R37484, AA531527, N74317, AI089835, AA915883, AI381713, H04547, AA702343, H04468, AA059276, D30942, W05225, AA401934 |
| 1168 | HFICJ16 | 875725 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 684 of SEQ ID NO:1168, b is an integer of 15 to 698, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1168, and where b is greater than or equal to a + 14. | AI394070, AI559997, AC007262 |
| 1169 | HWLLU74 | 875727 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1394 of SEQ ID NO:1169, b is an integer of 15 to 1408, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AI131018, AA579604, AI719085, AI859045, AW131268, AI814819, AI888714, AA568348, AI342165, AI860466, AA534872, AI914155, AI125453, W72331, W74397, AI300474, AA593735, AI498120, AA879110, AA995383, AI914049, AW449767, R60206, AA587361, AA588397, AI016404, H08009, H11647, AI269377, H12175, H19419, AI358021, T35018, AA470365, R14664, AA588354, H27693, H19418, H27694, H73776, AI337500, AI125449, AW078532, AA369905, Z41279, R45641, |

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| | | | NO:1169, and where b is greater than or equal to a + 14. | AA404338, AA935725, AI678765 |
| 1170 | HLMDL53 | 875728 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 810 of SEQ ID NO:1170, b is an integer of 15 to 824, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1170, and where b is greater than or equal to a + 14. | AA700315, AA485611 |
| 1171 | HODBC46 | 875729 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 581 of SEQ ID NO:1171, b is an integer of 15 to 595, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1171, and where b is greater than or equal to a + 14. | |
| 1172 | HCYBO46 | 875731 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 472 of SEQ ID NO:1172, b is an integer of 15 to 486, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AA305824, AA315640, AW390685, D59502, AA193420, D80043, D59275, D81030, D57483, D59859, D80391, D80024, D58283, D80253, D80196, D59787, D80166, D51423, D80195, D59619, D80210, D51799, D80240, D59927, D80227, D80022, D80212, D80188, D80219, D50995, D80269, D80038, C14389, D59889, C14331, D80366, D80193, D80164, D59610, D50979, C15076, D59467, D80378, C14429, AA305409, D80241, D80045, T03269, C14014, D51060, C75259, D51022, AW178893, D80134, D81026, F13647, AW179328, |

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| | NO:1172, and where b is greater than or equal to a + 14. | D80268, D51250, AW178775, AW177440, AW378532, AA305578, D58253, C14227, D80949, AW369651, D80522, D80168, D52291, D51079, AW352158, D80251, D81111, Z21582, D80248, AW178762, AA514188, AI910186, AA514186, C14298, AI905856, AW177501, AW177511, D80064, D80133, AW360811, C14407, C05695, AW352117, AW176467, AW375405, AW378540, AW377671, AI557751, D80132, AA285331, AW177731, D51097, AW366296, AW360844, AW360817, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, AW360834, D80302, AW352171, D80439, AW377676, AW178906, AW352170, AW178907, AW179019, AW179024, D59373, D80247, D51103, AW179220, AW177505, AW179020, AW360841, AW178909, AW177456, AW352174, AW179329, AW177733, AW178980, AW179018, D59503, AW378528, AW178908, AW178754, T11417, AW179004, AW177722, AW179012, D80014, AW178914, AW378525, AW367967, D80157, AW177728, T03116, AW179009, D51759, AW178774, AW178911, AW378543, AW352163, D58246, AW178983, AW352120, AW178781, T48593, D58101, C06015, D80258, D59627, T02974, AW177723, D59653, AW177508, AW378539, C14975, D51213, D45260, AI535850, AI557774, AW378533, AW367950, H67854, AI525923, AW177497, C03092, H67866, AA809122, C14973, AW178986, AW177734, AI525235, AI525917, D45273, D59317, C14344, D51221, D59551, D50981, D59474, AI535686, AI525920, D60010, AA514184, C14957, D60214, AI525227, C14046, T03048, AI535961, AI525242, AI525912, AW378542, AI525925, AI525215, C16955, C05763, Z33452, AI525222, AF060219, A84916, A62300, A62298, AJ132110, AR018138, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, D88547, AF058696, X82626, AR008278, AB028859, I82448, AR025207, Y12724, AB012117, X68127, |
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| | | | | A82595, A85396, AR066482, A44171, A94995, A85477, I19525, A86792, U87250, AR060385, AB002449, X93549, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AF135125, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I18367, A30438, AR054175, D88507, I14842, X64588, D50010, Y17187, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, AB033111, I79511, D13509, A64136, A68321, AR064240, AR060133, U87247, AB023656, U79457, Z82022, AF123263, AR032065, AR060382, X93535, AR008382 |
| 1173 | HCUEB32 | 875733 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1095 of SEQ ID NO:1173, b is an integer of 15 to 1109, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1173, and where b is greater than or equal to a + 14. | AW168181, AW206649, AI922409, AW080620, AW130528, AI761499, AA653277, AI927432, AW081680, AI167194, AW081694, AL040959, AW206389, AI652360, AA493404, AI652675, AI337391, AI203409, AI339098 |
| 1174 | HCRNQ45 | 875734 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 403 of SEQ ID NO:1174, b is an integer of 15 to 417, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1174, and where b is greater | W39008, AW444757, AW452817 |

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| | | | than or equal to a + 14. | |
| 1175 | HWLOO86 | 875736 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 958 of SEQ ID NO:1175, b is an integer of 15 to 972, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1175, and where b is greater than or equal to a + 14. | AW007552, AA631188, AI591162, AI597940, AI913964, AI125099, AA514439, AI732368, AA130570, AA524037, AI732382, AI913985, T24883, T24441, Z82216, AL049543, AE000660, AC005145, AL034369, AL031176, AL022158, Z69906, AL049750, AC007486, AL035552, AC008109, AL022164, Z97181, AC004865, AC002412, AC004075 |
| 1176 | HSPME53 | 875737 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 429 of SEQ ID NO:1176, b is an integer of 15 to 443, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1176, and where b is greater than or equal to a + 14. | |
| 1177 | H2CBE48 | 875738 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 577 of SEQ ID NO:1177, b is an integer of 15 to 591, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1177, and where b is greater | AI807250, AI089251, AI378396, AI650375, AI087818, AA770446, AI493563, AA805923, H75516, AI493544, AI261989, AA307336, C14331, C14344, C14407, D50995, D59927, AA514188, C14389, D80168, C03092, F13647, D58101, D80022, T02868, D80247, C15076, D45273, D80269, D51799, D59503, D80227, D59502, Z33452, D80228, D80188, D59467, AA305720, D59610, D80378, D80241, T03048, AI535961, AI525922, AI525920, AI525238, AI525237, AI525907, AI525903, AI525969, AJ005273, X58472, A62298, AF058696 |

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| | | | than or equal to a + 14. | |
| 1178 | HCQDJ47 | 875739 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 446 of SEQ ID NO:1178, b is an integer of 15 to 460, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1178, and where b is greater than or equal to a + 14. | AW020917, AB007956 |
| 1179 | HDTKC01 | 875740 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:1179, b is an integer of 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1179, and where b is greater than or equal to a + 14. | AA521474, AI089721, AW297296, AW181990, AI097236, AI299185, AA931786, AA836613, AA976871, AI279776, R82197, H38948, AI886396, AW078989, W59999, AW235744, H86820, AW265599, AA936252, AA069472, AA987461, AA886940, N42321, AI524654, AI624859, AI572717, AW243741, AI432644, AW104141, AI345688, AI613314, AI682106, AL047344, AI627714, AI686589, AI801152, AI242248, AW023846, AI874166, AI336634, AA641818, AI701097, AI950664, AI345415, AW366372, AI491852, AI620056, AI804515, AW020693, AI582912, AI284034, AL041562, AW263804, AI887569, AW022494, AI619587, AW020288, AA056265, AL036780, AI613038, AI624529, AI669459, AI281412, AW163464, AI586931, AI473536, AI434223, AW083825, AI478902, AI884318, AI567211, AA857847, AI922037, AI799674, H41759, AI355613, AI687809, AW083572, AI923871, AW410430, AI537261, AI478282, AI627896, AI352290, AI679959, AI915291, AW152182, AI702527, AI472566, AI540674, AI436429, AL045163, AW020592, AI349957, AI348969, AI584130, |

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| | | | AI758924, AI345005, AW438793, AI471909, |
| | | | AI565172, AI249877, AW194014, AI804505, |
| | | | AW263823, AW073677, AI868204, AI633125, |
| | | | AI819545, AI345014, AI538564, AI799189, |
| | | | AI452560, AI655932, AI538716, AI699020, |
| | | | AI682640, AI690813, AW075382, AI309306, |
| | | | AW105431, AW411225, AI698391, AI633061, |
| | | | AI281772, AI520881, AI620643, AI355779, |
| | | | AW024594, AW118518, AI568886, AI638644, |
| | | | AI334893, AI688848, AI273856, AI491710, |
| | | | AI628214, AI434731, AI289791, AI473208, |
| | | | AI889189, AI690748, AI569975, AW081047, |
| | | | AI918554, AI306705, AI340627, AI554186, |
| | | | AI620003, AW073898, AI624157, AW148356, |
| | | | AI499570, AI499986, AI591310, AL045413, |
| | | | AL039274, AW022636, AI963068, AI955906, |
| | | | AI702301, AI471429, AL036923, AI866465, |
| | | | AL135024, AI538829, AI624084, R41605, AI889147, |
| | | | AI446124, AI623941, AA815283, AI500061, |
| | | | AI537677, AI439903, AW103628, AI254226, |
| | | | AI521560, AI521005, AI859644, AI699823, |
| | | | AI890907, AW020397, AI683173, AI670009, |
| | | | AI566003, F28295, AW170635, AI244647, AW088605, |
| | | | AW082532, AA019328, AI631264, AW089572, |
| | | | AW055252, AW090103, AW023871, AW192701, |
| | | | AA665612, AW117675, AI433600, AI440263, |
| | | | AI890838, AW079432, AI866573, AA042949, |
| | | | AI541048, AI784214, AL134712, AW152550, |
| | | | AW263569, AA572872, AI500523, AI538850, |
| | | | AW029317, AI859991, AI536836, AA827691, |
| | | | AI581033, AI925744, AI305157, AI473471, |
| | | | AI345612, AI241744, AI583578, AI349958, W45537, |
| | | | AI288285, AI254814, AA761557, AI345416, |
| | | | AA939199, AI310575, AI868180, AW024360, |
| | | | AW193467, AL039086, AI680504, AI648699, |
| | | | AI886181, AI285439, AA693331, AI433611, |

AI254420, AW025279, AI678850, AI590043,
AW129264, AB023145, AB028449, AL122045, U49908,
AL080074, AL122100, X57084, AL122104, AF004162,
AL137711, AR038854, E02152, AF002672, I89947,
L13297, A18777, AF118094, I48978, I33391,
U42766, AL137558, U88966, E12806, AJ006039,
A08913, U80742, AL137488, AL049324, E03671,
AL117626, AL050149, A08912, AF141315, AF090901,
X65873, AL133049, S77771, AF119337, U92992,
I89931, U35846, AL117460, AL049466, AF032666,
S76508, A08910, A08911, I89934, I49625, A08909,
E02253, AF142672, M96857, X06146, AF185576,
A08907, A08908, I52013, I32738, AL080126,
A58524, A58523, Y18678, U58996, AF146568,
AF119358, AL137539, Z97214, AR020905, AF036941,
U72621, AF038440, A18788, AL050015, A86558,
AL050208, A77033, A77035, AL133640, AF139986,
AL137555, AF019298, AF000145, AL110280, X57961,
AF115410, AL137283, AF090943, AF115392,
AL137459, I17767, S82852, AL133113, AL049452,
AR068466, A15345, AF026816, S75997, S78453,
AL137478, X83544, AL137530, X80340, AL137271,
AL049314, AL137258, M85165, U86379, AF026008,
E12580, AF044323, AF061981, AL133619, AL137465,
AF055917, AL035587, A17115, A18079, AL080124,
AF067790, AL133637, AJ000937, AL133557,
AL110158, E12579, U57352, AL122118, AL117435,
E02221, A90832, AF008439, AL137479, I00734,
AF113694, S63521, AR068753, AL133558, A65341,
X70685, AF069506, X72624, AL050280, AF031147,
AF183393, AF159148, Y09972, X54971, I09499,
E00617, E00717, E00778, AF016271, AF030513,
X66975, AF102578, AF106862, AF057300, AF057299,
I89944, E12747, A21103, X63410, Y10823,
AF106657, AL050172, AL117416, AF151109,
AL080140, AF194030, E06743, AB016226, AF113019,

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| | | | | A57389, AF113677, X66862, AL049339, Y16645, AL117587, AF087943, AL050277, AF107847, AL133081, AF141289, AF079763, AJ242859, AF047716, AL110221, AF090903, Y14314, AL050116, U51123, AF125948, L31396, AF158248, AL110224, A12297, AL110222, AL137548, L31397, AJ005690, AF061943, AL137476, D83032, AL133665, AL137537, X81464, S83456, AL133067, D83989, AF017437, AF126247, X66871, AL049938, E04233, Y11254, AF038847, U02475, AL080159, AF200464, E15324, AF150103, AL137533, AF199027, U49434, X67813, AF137367, AJ012755, AL050366, AF113013, I29004, X66417, E01573, E02319, AF106945, AL137463, AL110171, X98066, Y10655, AF091084, AF090934, AF100931, S36676, AL049464, AL049382, X92070, AL137281, I26207 |
| 1180 | HCQDI44 | 875746 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 335 of SEQ ID NO:1180, b is an integer of 15 to 349, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1180, and where b is greater than or equal to a + 14. | R17097 |
| 1181 | HNFGP44 | 875747 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 365 of SEQ ID NO:1181, b is an integer of 15 to 379, where both a and b | AI133562, AA885881, AI783849, AA829608, AW058434, AL109610, AC005071, Z54246, Z69837, AC005516, AC007055, AC006057, AL078583, AF097732, AC005220, AC006964, AC004030, AC008545, AL049780, U91327, AC006023, AL020997, AL133371 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1181, and where b is greater than or equal to a + 14. | |
| 1182 | HWLQG44 | 875751 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 389 of SEQ ID NO:1182, b is an integer of 15 to 403, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1182, and where b is greater than or equal to a + 14. | AW130607, AA976866, R66412, AI289641, AI459945, AC004851 |
| 1183 | HHMMD44 | 875752 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 403 of SEQ ID NO:1183, b is an integer of 15 to 417, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1183, and where b is greater than or equal to a + 14. | AA262855 |
| 1184 | HCQAC43 | 875753 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 629 of SEQ ID NO:1184, b is an integer of 15 to 643, where both a and b | AI880389, N20300, N63913, AW083576, N27569, N98285 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1184, and where b is greater than or equal to a + 14. | |
| 1185 | HWLUF33 | 875754 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 537 of SEQ ID NO:1185, b is an integer of 15 to 551, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1185, and where b is greater than or equal to a + 14. | AA280724, AW369170, R26169, H02035 |
| 1186 | HCRPE66 | 875760 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:1186, b is an integer of 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1186, and where b is greater than or equal to a + 14. | AA922154, AI921318, AA909502, W73883, AC005021, L48427 |
| 1187 | HCYBD73 | 875761 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 552 of SEQ ID NO:1187, b is an integer of 15 to 566, where both a and b | AA700080, AA305107, AI241587, AW295338, AI198105, T07192 |

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|---|---|---|---|---|
| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1187, and where b is greater than or equal to a + 14. | |
| 1188 | HWTCF43 | 875765 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 290 of SEQ ID NO:1188, b is an integer of 15 to 304, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1188, and where b is greater than or equal to a + 14. | W03161, AA372394, AA626628, AL134565, AA321501, AA598424, N46519, AI832184, AF003625, AC004065, AL022401, AC000980, AL022577, AC004066, AC004043, AL023878, AC007313, AC003091, AL031289, AF055066, Z80903, AL049778, AC005017, AC007533, Z73913, AC006257, AL132668, AL021329, AC001017, Z83820, AL031388, AC003976, AC002463, AC012085, AC004051, AL009047, AL022400, AL031673, Z94055, AC016831, AL133239, AL096803, Z83850, AC006197, AF126403, AC006466, AF002223, AC000114, AF036876, AC009891, AL031114, AC006195, AL121595, AL109847, AC006397, AL031116, AL080316, AL008629, AL034412, AL050401, U80459, U96409, AP000127, AP000205, AL009028, Z93929, AF003528, AL022727, AC004057, AF188025, AC006545, AC004010, AC006546, AL009174, AC006313, AP000245, AL031466, AF020801, AC002990, AC005539, AC005352, AP000141, AC008082, AL034351, AC002394, AC005703, AC006207, Z95126, AL133241, AC005939, Z95114, AP000088, AC005859, AL109662, AL022154, AL035695, AC000110, AC007004, AL030996, AL031074, AC002071, AC005337, D87675, AC004959, AL031584, AC004544, AC018633, AC004470, AL049859, AC007243, AL034410, AC004069, AL079306, AL121652, Z68746, Z99572, AL132777, AL035258, AL132774, AC006365, AC004908 |
| 1189 | HCRNA26 | 875766 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI492910, H27915, R87432, AC004492 |

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| | | | is any integer between 1 to 526 of SEQ ID NO:1189, b is an integer of 15 to 540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1189, and where b is greater than or equal to a + 14. | |
| 1190 | HCQDD42 | 875768 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 475 of SEQ ID NO:1190, b is an integer of 15 to 489, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1190, and where b is greater than or equal to a + 14. | R30734, R58196, AI808768, AI809938 |
| 1191 | HCRNN21 | 875769 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 398 of SEQ ID NO:1191, b is an integer of 15 to 412, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1191, and where b is greater than or equal to a + 14. | H39029, AL133893, AB023167 |
| 1192 | HCRNH26 | 875772 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI261627, AW274550, AI418272, AA458605, AW293861, AA731376, AI927518, D80453, AI217860 |

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| | | | is any integer between 1 to 814 of SEQ ID NO:1192, b is an integer of 15 to 828, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1192, and where b is greater than or equal to a + 14. | |
| 1193 | HDPWD42 | 875773 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 266 of SEQ ID NO:1193, b is an integer of 15 to 280, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1193, and where b is greater than or equal to a + 14. | N91462, AI873775 |
| 1194 | HTAET42 | 875774 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 379 of SEQ ID NO:1194, b is an integer of 15 to 393, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1194, and where b is greater than or equal to a + 14. | AC006946 |
| 1195 | HMCIK65 | 875778 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AA488988, AI658816, AI808265, AI634138, AI695249, AA954672, AW236923, AA495812, AI308233, AA910211, AA488768, W21487, AI014480, AA484868, AW382542, N91779 |

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| | | | is any integer between 1 to 923 of SEQ ID NO:1195, b is an integer of 15 to 937, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1195, and where b is greater than or equal to a + 14. | |
| 1196 | HDTGQ43 | 875779 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 476 of SEQ ID NO:1196, b is an integer of 15 to 490, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1196, and where b is greater than or equal to a + 14. | AA609595, AI034361, AA983577, AA948387, AI660929, AI277113, AA906837, W60817, W60814, R54995, AI828307, R55002, AI927134, AW448912, AW022996, AW020086, AL036634, AL036759, AL036858, AL036924, AL038447, AL037082, AL037639, AL119319, AL036719, AL110306, AI929108, AW071417, AI927233, AI621341, AI307557, AW162194, AL037615, AW084056, AI335214, AL035928, AL037021, AL037643, AL036167, AL038529, AW161202, AI537677, AW087445, AW079432, AW161098, AI349186, AI961589, AI474646, AI887775, AI583578, AL037049, AW151136, AI815232, AW303089, AW163834, AI623941, AW051088, AI270183, AL048298, AI567971, AI471429, AW023351, AI631977, AA580663, AI888665, AI445620, AI500061, AI866770, AL046944, AI285439, AI476076, AI475371, AL040636, AI440238, AI538885, AI889376, AI679550, AW020397, AI445611, AW163554, AI494201, AI679266, AI284509, AA572758, AI499963, AI340519, AI340603, AL045500, AI433157, AI345745, AI702073, AL036808, AI828412, N33175, AA420722, AI521560, AI523806, AW022102, AL040241, AI633125, AL036638, AI698391, AI446373, AI915291, AA514684, AI582932, AW411043, AI889189, AI380329, AI824576, AI241901, AI432570, AL138388, AI345688, AI923989, AI458588, W74529, AI274768, AI254727, AI818728, |

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| | | | AI625209, AI866090, AL042551, AI802542,<br>AL119863, AL040011, AW023338, AI345608,<br>AA938092, AI933992, AI554485, AI554821,<br>AL048323, AA259207, AA806719, AI290153,<br>AI801556, AI539771, AI890576, AL048340,<br>AW152182, AI623736, AW366372, H42557, AW022636,<br>R32821, AI500659, AI345471, AI366549, AW269097,<br>AI801325, AI500523, AI582966, AI538867,<br>AI284517, AI499986, AI500706, AI307543,<br>AI491776, AI445237, AW151138, AI434731,<br>AI909661, AW172745, AI500662, AI680221,<br>AI889168, AI345253, AI284060, AL039011,<br>AI344935, AI866573, AI633493, AI433590,<br>AI434256, AI245008, AI589428, AI805769,<br>AI251221, AI888661, AI284513, AA464027,<br>AI702065, AI888118, R75918, AI690948, AI889147,<br>AW020095, AI536601, AI440252, AL047422,<br>AI349957, AI758988, AL043321, AI536912, N29277,<br>AL119836, AW410259, AI886415, AI345677,<br>AI561356, AI352497, H89138, AL037454, AL042365,<br>AL038605, AL119791, AI670009, AI689614,<br>AW075382, AI801793, AA693314, AW089006,<br>AA836168, AL038778, AA579232, AA635382,<br>AW403717, AI866127, AL046466, AA088789,<br>AI334930, AI918435, AL039086, AI802240,<br>AL047344, AW169784, AW089275, AI349937,<br>AI638644, AI560545, AW189301, AI288305,<br>AI699823, AI620284, AI334445, AI866469,<br>AW008353, AL120300, AI678428, AW168875,<br>AI859991, AI582367, AI912434, AW170773,<br>AI249877, AI690813, AI582926, E03348, Z82022,<br>I89947, AL049283, I48978, I66342, AL110159,<br>U67958, Y10655, A08916, AF182215, S68736,<br>AR034821, A08913, AL049347, AL137271, AL080127,<br>AL080140, AF026816, AL137539, A08910, A08909,<br>AL117457, AR011880, Y11587, E03671, AL080159, |
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| Z97214, AL137627, Y14314, I32738, S77771, AF113689, I89931, X79812, AF087943, AR029490, U75932, AL080060, I49625, S83440, AL117435, AF079765, AL122110, AF069506, AL133075, M92439, AF183393, AL050116, AF158248, AL137550, AF100781, AF113019, AL110296, AL137538, AF026124, Z37987, AR029580, S61953, AL049466, AF125948, AL137292, I48979, AF078844, AL050277, AL133093, AL137554, A07647, AL050146, U80742, U49908, A77033, A77035, I33392, AF061795, AL050149, AF151685, AF177401, AL050138, AL110280, X72889, AF028823, AF118094, AL133640, AL137459, AF079763, AL110221, AL133016, A45787, AL050393, E07361, AF094480, AF090900, AL137533, AL122121, AF057300, AF057299, AL133560, AL133081, AF118092, U86379, AL137711, U87620, AL137656, A08912, Y10080, X82434, AF100931, A18777, A07588, AF113699, AJ238278, AF090903, AL096744, AF180525, AL133606, A03736, AL137521, X63574, AJ005690, AJ012755, AR038854, AL133637, AF113677, AF090943, AR000496, U39656, A08908, X84990, AF017790, M96857, AL137529, I30339, I30334, AL137256, AR068753, AF061573, AL137479, S76508, AL080124, AL137463, AF111112, X63410, AL117648, AL122049, Y16645, A65341, AL137478, AL110196, AL122050, AF141289, AR059958, AL117460, AL133077, AL122093, AL133619, AL133565, X98834, AF113691, AF113690, AF017437, AF097996, AL133080, AF146568, X93495, AL133049, AL137476, A93016, I00734, AL137283, S36676, A65340, X80340, M30514, AF047716, AL049452, AF113676, E00617, E00717, E00778, U68387, AL050108, AL080126, U35846, AF008439, I89934, AF113694, X66862, A86558, AF067728, AL080154, Z13966, AL137648, M86826, AL133568, AL117392, AF081197, AF081195, AL122123, U88966, AF091084, | | | |

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| | | | | AF207750, A57389, AL117463, AL049938, Y11254, AL137523, AR038969, U90884, E02349, AF106827, AF111849, E15324, E07108, AF015958, U78525, AL133113, AL133072, AL137480, AF102578, AF106862, S78214, A58524, A58523, AF003737, AL137556, AF175903, AL050024, AL049430, I26207, AL117583, X52128, AL117585, AL133557, A93350, E01314, I03321, AF090901, A12297, U91329, D55641, AF090934, AF118064, I09360, AF118070, AL137560, AL122098, AF017152, U00686, AJ003118 |
| 1197 | HT2SF78 | 875780 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1497 of SEQ ID NO:1197, b is an integer of 15 to 1511, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1197, and where b is greater than or equal to a + 14. | AI291051, AA169183, W37412, AA081743, AA634346, W37413, N95342, AA757329, N49251, AI051537, W25251, AI028044, AI765214, H96923, AA844562, AW367898, N84978, N46525, AA169311, Z19468, AC007671, X77922, L43494, D26360, L32867, D45255, U53883, L38677, X84235, AC007544, AF088002 |
| 1198 | HCRMG60 | 875781 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 729 of SEQ ID NO:1198, b is an integer of 15 to 743, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1198, and where b is greater than or equal to a + 14. | AA443447, AW386761 |
| 1199 | HCRNC13 | 875782 | Preferably excluded from the present invention are one or more | AA514691, AI863374, AA634463, AW015540, Z41103, AL046561 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 495 of SEQ ID NO:1199, b is an integer of 15 to 509, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1199, and where b is greater than or equal to a + 14. | |
| 1200 | HCRPH74 | 875783 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 252 of SEQ ID NO:1200, b is an integer of 15 to 266, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1200, and where b is greater than or equal to a + 14. | AW058223, AI891075 |
| 1201 | HCQDW41 | 875784 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:1201, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1201, and where b is greater than or equal to a + 14. | AA236027, U91326, AF001549, U95742, AC007216, AC002045, AC002039, AC002425, AC002544 |
| 1202 | HCRMZ22 | 875785 | Preferably excluded from the present invention are one or more | AA226868, AA668240 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 420 of SEQ ID NO:1202, b is an integer of 15 to 434, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1202, and where b is greater than or equal to a + 14. | |
| 1203 | HCQDE41 | 875786 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 411 of SEQ ID NO:1203, b is an integer of 15 to 425, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1203, and where b is greater than or equal to a + 14. | AA454059, N81040 |
| 1204 | HMKCZ06 | 875787 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 675 of SEQ ID NO:1204, b is an integer of 15 to 689, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1204, and where b is greater than or equal to a + 14. | AI732208, AW007403, AA570148, AI990949, AA974880, AA502007, AA587096, AI748880, AA918155, D25690, AW338222, AA916641, AI732207, AI679197, AA532851, AA877116, R55320, AL031587, AL022322 |
| 1205 | HMEGG05 | 875789 | Preferably excluded from the present invention are one or more | AA126720, AA304970, AI245437, C05706, AW074185, AI963381, AI278686, AI673497, AI355944, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2462 of SEQ ID NO:1205, b is an integer of 15 to 2476, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1205, and where b is greater than or equal to a + 14. | AI254709, AI556972, AA861926, AI696647, R15875, N77782, AI583602, AA424183, AA424252, AA860484, AI590425, AA962253, AI539094, AA872756, C04708, H89906, AI245750, AI015771, AW087562, AW179256, AI857288, C20598, AA688200, AI866350, AI887115, AA370173, AA720604, AA599102, AA594409, AI351720, AI818385, AI859521, AA360027, AI500090, AC006153, AJ250713, T66501 |
| 1206 | HNTMD41 | 875792 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 616 of SEQ ID NO:1206, b is an integer of 15 to 630, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1206, and where b is greater than or equal to a + 14. | AI689837, AW157773, AW134686, AI986479, AI879625, AW418716, AA975403, N90063, AA400229, AA554561, AI202416, AI208155, AI269000, AA480947, H05090, AA400228, AW137275, AI701698, AW392920 |
| 1207 | HCRNJ24 | 875794 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 741 of SEQ ID NO:1207, b is an integer of 15 to 755, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1207, and where b is greater than or equal to a + 14. | AA827926, AI860653, AW161711, AI808773, AI636695, AA741501, AA740727, AI889967, AW070423, AI075387, AI754281, AI300905, AI150922, N62430, AA142986, AW243049, T88858, AW298247, N67204, AI866174, AA150916, AI830959, AW361300, AA630806, AC006011 |
| 1208 | HWABK33 | 875798 | Preferably excluded from the present invention are one or more | AA977204, AA449116, AI377322, AI632071, AI743462, AI700245, AA613327, AL135261, N68390, |

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| | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 586 of SEQ ID NO:1208, b is an integer of 15 to 600, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1208, and where b is greater than or equal to a + 14. | AA236532, Z39901, AI370677, H17781, T34975, AA936440, AW087776, AI886612, AI653609, AA593199, AA804236, AI285242, AA805442, AI686576, AW263796, AI553645, AW089275, AI927755, AI621341, AI623941, AI698391, AW104724, AI699865, AA848053, AW148536, AI624548, AI472536, AI567582, AI673363, AI537837, AW051088, AI815232, AI538564, AI915291, AW152182, AA908294, AI582932, AI889189, AI866469, AI624056, AI417790, AI884318, AA514684, AW167146, W74529, AI624304, AI609069, AI932794, AL046595, AI491842, AL121328, AI491805, AI590423, AI909661, AI690887, AI969655, AI370623, AW149925, AI865906, AI498067, AI784233, AI888746, AW078606, AW162194, AI624545, AI635492, AI874261, AI863665, AW189301, N33175, AW262491, AI886753, AW169234, AI798456, AI690410, AI917428, AW103878, AW029186, AI631216, AL042382, AI251221, AW265004, AL046944, AI499570, AI742728, AW118518, AW162690, AI866780, AI538885, AI927233, AI818353, AI963846, AW089405, AL043975, AI568138, AI590603, AI564426, AI870190, AI802542, AI440399, AA629959, AI273085, AI686817, AI522052, AW160916, AI635032, AI609409, AI583578, AI473528, AW073865, AI590043, AI207656, AI500061, AI799313, AL036673, AI469270, AI500714, AI225023, AI537244, AW090768, AI565128, AW129722, AI473536, AI499890, AI002285, AI819545, AI469532, AI583065, AI564719, AI288305, AW163834, AI345415, AW088328, AL079963, AW044386, AI702073, AI912356, AI636588, AI241763, AI812107, AI538764, AI913330, AW169671, AI570989, AI269580, AI538716, AW090736, |

AI624938, AI581033, AI978703, AL043355,
AI805603, AW105087, AI345688, AI613038,
AI612852, AI934052, AA641818, Z98446, AI247193,
AW198090, AW085373, AW148408, AI613270,
AL036923, AI570056, AI537303, AW264029,
AI439762, AI433157, AI610690, AI640873,
AI890907, AI536685, AI891084, AW078729,
AI633125, AI670984, AI950729, AW168663,
AI638644, AI923989, AL043345, AI249800,
AA911767, AI686808, AI701097, AI432969,
AI863321, AI623379, AI559619, AI699823,
AW193530, AW073270, AI554485, AW079432,
AW151136, AI682971, AW105412, AI655932,
AL045500, AI500588, AI677796, AI250852,
AI554821, AI538850, AI286256, AI619426,
AI873644, AI359586, AI863382, AL119791,
AI817523, AI570807, AI439452, AA602414,
AI473451, AL138457, AI114703, AA738104,
AW088698, AW078529, AI609375, AI633061, Z72491,
AL117435, X70685, X72624, AL023657, AF118090,
AF090903, I48978, AL137533, A77033, A77035,
D83032, AF017437, I89947, AL137292, AL137558,
AF113690, S36676, X84990, AF032666, AF146568,
AL096744, AF090900, U75304, I08319, E05822,
Z37987, A03736, S78214, AL050024, AL133640,
AF106657, AR038854, AF069506, AF111849, A08913,
AF081197, AL117460, AJ012755, X65873, AF182215,
AF113019, AF118094, AL117626, AL117416,
AL050092, AF067728, AF180525, AL050155, I09499,
AL117648, AL049283, AL050172, AL080148,
AL122121, X98834, AL137530, A08912, AF139986,
AJ005690, A08910, I79595, AF002985, A08909,
U83980, AL133665, I48979, AL133560, X82434,
AF090934, Y16645, A08908, AL122050, AF183393,
I66342, U78525, Y07905, AL080163, AL137479,
AL110280, AL137550, U88966, AF100931, X80340,

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| | | | | AF031147, AL133016, X59414, E12747, E01573, E02319, AF067790, A12297, AF097996, AL049423, AF125948, AF061573, A08916, X83508, AF081195, A18777, AL122110, I89931, X72889, AL137459, U42766, AF139373, A93350, U68387, AF026816, I49625, A65341, AJ000937, AR034821, AF017152, AL110222, AF106862, X53587, AF076464, Y11587, AL133080, M85164, U96683, AL137529, AF090886, AL110221, E07108, AL117457, AL122118, AF090901, AL137294, E06743, I68732, A15345, X81464, X87582, A83556, AF087943, AL137271, AL096751, AL133031, AF079765, Z97214, AL133558, AL122100, AL050149, M92439, D16301, AF113677, I28326, AL137478, AC006336, AL137488, AL133113, AL110218, S76508, I89934, AF028823, I33392, Y10080, Z82022, AF153205, AF185614, AL133075, AL050116, AF177401, AL133568, AL050138, AL050393, AL137480, A21101, Y10655, AL110196, AL080159, E02349, AL117649, AF061795, AF151685, AJ003118, AF039138, AF039137, U49434, X06146, AR011880, AR013797, AR012379, AJ238278, M96857, I30339, I30334, AL137256, U31501, S68736, AL080129, AL137476, AL137539, S71381, AF078844, AR020905, AF200416, AF111851, A07647, AF185576, S77771, AJ006417, AF091084, Y11254, X83544, AL133081, AF079763, X52128, AF060866, AF142672, AL133557, AB007812, AF061981, AL122093, AL133606, I89944, AL133067, AF113689, AL049430, AL049382, AL080154, I42402, AL122111, AF210052, AL117583, Y14314, AL122045, AF158248, AL117394, AL137705, AL110224, AC004093, AL080118, X61970, A08907, AF113694, AF113699, M86826 |
| 1209 | HCYBC44 | 875800 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AA305027, AI167228, AI913614, AC021092 |

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| | | | the general formula of a-b, where a is any integer between 1 to 769 of SEQ ID NO:1209, b is an integer of 15 to 783, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1209, and where b is greater than or equal to a + 14. | |
| 1210 | HWLQA40 | 875801 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 561 of SEQ ID NO:1210, b is an integer of 15 to 575, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1210, and where b is greater than or equal to a + 14. | AI563898, AW072034, AI985652, AW025367, AA568178, AW262766, R60170, AA946920, AI985700, AI341944, AI245652, AW149165, AI453178, R40393, Z39653, F09372, AA594484, T23979, F04421, F10466, F02571, R38571, R40082, F01627, AI978944, AI269816, AI588858, C00343, AI683935, AB033084, AF019638 |
| 1211 | HWHPI43 | 875804 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 561 of SEQ ID NO:1211, b is an integer of 15 to 575, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1211, and where b is greater than or equal to a + 14. | |
| 1212 | HKCSF43 | 875805 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AW139161, AI828623, AI675466, AI420850 |

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| | | | the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1212, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1212, and where b is greater than or equal to a + 14. | |
| 1213 | HCQAD39 | 875808 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 738 of SEQ ID NO:1213, b is an integer of 15 to 752, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1213, and where b is greater than or equal to a + 14. | AI309859, AI809088, AI650556, AI377258, AA629018, AW206377, AI968047, AI400261, AI014432, AI014514, AI143472, R02586, AI538164, AW387895, AW237769, AI474528, AA884915, AW387862, AA007677, AI522203, AW382761, X85547, AL080091 |
| 1214 | HCRNL08 | 875809 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1074 of SEQ ID NO:1214, b is an integer of 15 to 1088, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1214, and where b is greater than or equal to a + 14. | AI539366, AI769976, AW172437, AA425434, AA425297, AA279085, AI147845, AL119860, AI382211, AA287851, AA747806, AA933947, AA905535, AW204513, AA235991, AI222124, AA368273, AA287818, AA713651, AA972476, AA235795, AA713778, AF117888, AJ001714, AJ001713, L29148, L29135 |
| 1215 | HCRNY14 | 875810 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | |

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| | | | the general formula of a-b, where a is any integer between 1 to 368 of SEQ ID NO:1215, b is an integer of 15 to 382, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1215, and where b is greater than or equal to a + 14. | |
| 1216 | HCRQG46 | 875814 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 811 of SEQ ID NO:1216, b is an integer of 15 to 825, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1216, and where b is greater than or equal to a + 14. | AW239403, Z99396, AW392670, AL119522, AW384394, AW363220, AL119497, AW372827, AL119443, AL036418, AL038837, AL119335, AL037051, AL036725, AA631969, AL119319, AL119324, AL119457, U46341, AL119396, AL036858, AL119483, AL119484, AL119363, AL119341, AL119391, AL119355, U46347, U46350, N71828, U46349, U46351, AL119496, AL039074, AL036924, AL042551, AL119418, AL119444, U46346, AL119399, AL042614, AL037205, AL119439, AL038509, AL042965, AL042975, AL134524, AL039564, AL134533, AL134528, AL037085, AL039085, U46345, AL039156, AL039108, AL039109, AL039128, AL042450, AL042984, AL119488, AL037094, AL037526, AL134527, AL134529, AL134538, AL036196, AL036190, AL043003, AL037639, AL042970, AL038520, AL039659, AL042542, AL036767, AL119511, AL042544, AL037082, AL043019, AL043029, AL036268, AL039912, AL037077, AL038447, AL036238, AL119464, AL038851, AL036774, AL042909, AL036733, AL036998, AL037027, AL037178, AL037615, AL036765, AL036719, AL036679, AL036191, AL036886, AL039410, AF105376, AC005411, AF105377, AF168992, AC005224, A81671, AR060234, AR066494, AC005375, AR023813, AR064707, AR069079, AR054110, AB026436 |
| 1217 | HCRQK63 | 875815 | Preferably excluded from the | M59710 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 503 of SEQ ID NO:1217, b is an integer of 15 to 517, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1217, and where b is greater than or equal to a + 14. | |
| 1218 | HWLVS38 | 875816 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 760 of SEQ ID NO:1218, b is an integer of 15 to 774, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1218, and where b is greater than or equal to a + 14. | AI671182, AI343459, AA071514, AI917350, AW235354, AA648922, AI985626, AA082291, AI857422, AW139217, AA341262, AI800535, AA913262, Z99396, AL119457, AL119324, AW392670, AL119443, AL119399, AL036418, AL038837, AA631969, AL037051, AL036725, AW384394, AL036858, AL039074, AW363220, AW372827, AL119483, AL119418, AL036924, U46349, AL119497, AL119484, AL037094, U46347, U46351, U46350, AL119355, AL119319, AL119335, AL038509, AL039564, AL039085, AL039156, AL119363, AL119391, AL039108, AL039109, AL039128, AL119439, AL036196, AL036190, AL119444, U46341, AL119522, AL119341, AL037639, AL119396, AL036767, AL037526, AL134527, AL037085, AL119496, AL037205, U46346, AL038531, AL134538, AL036268, AL037082, AL038520, U46345, AI142134, AL038447, AL037077, AL037027, AL037178, AL037615, AL038851, AL036998, AL036733, AL036774, AL036719, AL036765, AL036679, AL036174, AL036191, AL036158, AL036836, AR060234, AR066494, AR023813, A81671, AR064707, AR054110, AB026436, AR069079 |
| 1219 | HCRNT27 | 875817 | Preferably excluded from the present invention are one or more | AL035461 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 542 of SEQ ID NO:1219, b is an integer of 15 to 556, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1219, and where b is greater than or equal to a + 14. | |
| 1220 | HCRMT24 | 875819 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 134 of SEQ ID NO:1220, b is an integer of 15 to 148, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1220, and where b is greater than or equal to a + 14. | AC007254 |
| 1221 | HCRNQ33 | 875820 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 315 of SEQ ID NO:1221, b is an integer of 15 to 329, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1221, and where b is greater than or equal to a + 14. | |
| 1222 | HWLUO71 | 875821 | Preferably excluded from the present invention are one or more | T49153 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 466 of SEQ ID NO:1222, b is an integer of 15 to 480, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1222, and where b is greater than or equal to a + 14. | |
| 1223 | HTXRZ02 | 875822 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1285 of SEQ ID NO:1223, b is an integer of 15 to 1299, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1223, and where b is greater than or equal to a + 14. | AI193178, AI076316, AI470965, AA703140, N34056, T80181, AI241153, AI952208, R37322, AA385859, W86007, N46975, AA700249, T48765, T87488, R97030, AC004150 |
| 1224 | HWMBO47 | 875824 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1048 of SEQ ID NO:1224, b is an integer of 15 to 1062, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1224, and where b is greater than or equal to a + 14. | AW027620, AI478256, AA977072, AA479381, AA479885, H39098, AI660057, AI743611, AA724117, AA894537, H00481, AW304843, T73210, AI953325, AA102063, AA770698, AA428456, AI370710, R60534, C03787, AB020650 |
| 1225 | HCQCC37 | 875825 | Preferably excluded from the present invention are one or more | AL046573 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 594 of SEQ ID NO:1225, b is an integer of 15 to 608, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1225, and where b is greater than or equal to a + 14. | |
| 1226 | HUVGY13 | 875826 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 875 of SEQ ID NO:1226, b is an integer of 15 to 889, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1226, and where b is greater than or equal to a + 14. | AA527277, AW403876, AW403877, AA112026, T67786, AI336206, AI472267, T11388, AI613487, AI889648, AI168361, D25667, AA586553, T18557, T67710, AI445768, AI567831, AI744381, AI921692, AI274006, AI042027, AI240308 |
| 1227 | HPMFM59 | 875828 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 725 of SEQ ID NO:1227, b is an integer of 15 to 739, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1227, and where b is greater than or equal to a + 14. | N29001 |
| 1228 | HCROI42 | 875832 | Preferably excluded from the present invention are one or more | AI378825, AI299691, AI248716, AI207012, AI025488, AI801275, AW139379, AI075931, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 477 of SEQ ID NO:1228, b is an integer of 15 to 491, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1228, and where b is greater than or equal to a + 14. | AI129182, R56213, AI868688, AI540526, AI352622, AI887854, AB014521, AF141884, AC004782 |
| 1229 | HACBB04 | 875833 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1582 of SEQ ID NO:1229, b is an integer of 15 to 1596, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1229, and where b is greater than or equal to a + 14. | AI348155, AI567487, AA482559, AA426355, AA482412, AA195102, N32669, AA722595, AW274254, AI859721, AI003615, AW242302, AI494186, AI394631, AL043629, AI824406, AI015872, AI284359, AW139669, AI942272, AA010713, AI290543, AA496459, AI364660, AI758530, AI368521, AI872567, AI423266, AF192529 |
| 1230 | HMMAC34 | 875834 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 566 of SEQ ID NO:1230, b is an integer of 15 to 580, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1230, and where b is greater than or equal to a + 14. | |
| 1231 | HDPFA20 | 875836 | Preferably excluded from the present invention are one or more | AI476641, AI800220, AA523781, AA688160, AW274475, AA279690, AA831827, AA480351, H23404, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1662 of SEQ ID NO:1231, b is an integer of 15 to 1676, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1231, and where b is greater than or equal to a + 14. | AA810727, AI689632, AA353334, R28470, AA927802, Z45246, AA279721 |
| 1232 | HTGBQ40 | 875837 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:1232, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1232, and where b is greater than or equal to a + 14. | AI650736, H21389, AI336480, H21432, AI264947 |
| 1233 | HDPWD53 | 875838 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 487 of SEQ ID NO:1233, b is an integer of 15 to 501, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1233, and where b is greater than or equal to a + 14. | |
| 1234 | HCROZ63 | 875839 | Preferably excluded from the present invention are one or more | T08857 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 347 of SEQ ID NO:1234, b is an integer of 15 to 361, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1234, and where b is greater than or equal to a + 14. | AI743586, AA773043, AI378041, AI653756, AW021263, AA934444, AI051436, AA525488, AA515054, AA737382, AI561320, AI566429, AI500523, AI590021, AW169671, AI890838, AI619607, AI890214, AI312428, AI499381, AI624693, AI500061, AI283760, AI340519, AI934035, AI637584, AW021717, AI633330, AW198090, AW087462, AI684279, AI493567, AI609594, AW129659, AI683475, AI906328, AI539153, AI673363, AW081298, AI889133, AL039132, AI963068, AA928539, AI802542, AI251221, AI571439, AI670002, AI591420, AL037454, AI288285, AI698391, AW089840, AI560012, AW169604, AW089439, AI564736, AI285448, AW051212, AW192652, AI633125, AI609331, AI439452, AI963846, AW192701, AA470523, AI471909, AI921379, AI686554, AI609128, AI915291, AW274192, AI610690, AI270183, AI432656, AI929108, AI926790, AI889189, AA769285, AW129106, AI815239, AA768550, AI758583, AL036705, AW163834, AL036780, AI624548, AI887308, AW161098, AI678496, AL039858, AI702073, AI624084, AI246905, AI890223, AL042365, AI524671, AL037582, AL036361, AL037602, AI345543, AA916372, AI702343, AI582932, AL120676, |
| 1235 | HWABJ67 | 875840 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 534 of SEQ ID NO:1235, b is an integer of 15 to 548, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1235, and where b is greater than or equal to a + 14. | |

AI634224, AI623941, AI521560, AL119863,
AI932794, AI525669, AA420722, AI690748,
AL045929, AI538116, AL038715, AI433157,
AI623799, AI798456, AL119748, AI916419,
AI813914, AA938092, AW080746, AI286256,
AI572021, AI281762, AI921464, AI301710,
AI950892, AI619754, AI812107, AI799273,
AI863241, AI284484, AI688858, AI539780,
AI871923, AI969655, AI570807, AW169132,
AW051088, AI345666, AW105429, AA805434,
AI918435, AI758694, AI340603, AI670009,
AI923989, AI619777, AI682106, AI570169,
AI500588, AI306705, AW268122, AI815232,
AI525653, AI923370, AI932966, N33175, AW071349,
AI912356, AL042745, AA603930, AL042544,
AI925502, AI241678, AI702433, AI348854,
AI922689, AW190297, AA807015, AL134830,
AI673422, AI801325, AW080090, AI433590,
AI619502, AI648699, AI859429, AI270099,
AI473554, AW020693, AI912496, AI583085,
AW163823, AI636588, AI497733, AI874166,
AL045500, AI538829, AL119836, AI610402,
AI800440, AI612913, AI499393, AI273094,
AI345415, AI207656, AW366372, AI866770,
AL036631, AI611743, AI537677, AI768496,
AI473208, AI874243, AI498067, AI471540,
AI799158, AL110306, AI824576, AL048323,
AI817545, AL048340, AW152182, AW087445,
AW148536, AI499285, AW168001, AI624545,
AW129722, AA767039, AW151138, AL047100,
AI702068, AI697137, AI473536, W74529, AI815237,
AI310575, AW151786, AW151136, AW118508,
AI859464, AI612107, AI452707, AI572787,
AI340533, AI494201, AI917252, AW152459,
AW193911, AW078729, AI362522, AI862139,
AI874261, AL079741, AI933589, R36271, AF116545,

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| | | | | AF116548, AF116547, AF116546, AL133031, AL137538, AL050116, AF111851, I89947, AF090943, AR053103, AL137271, AF069506, AL133557, U35846, AL133080, AL133072, A08910, A08909, I48978, A77033, A77035, AL078602, AL049382, U42766, A65341, E02349, X72889, Z82022, A08913, AL117435, AL122121, M27260, U89295, A58524, A58523, AL133560, AL035587, AL080159, AF183393, AL117460, AL133075, AF090903, AL050149, AF125948, Y07905, AL122110, AC007172, U68387, AL137550, AF113691, AC002471, AC005374, AF113690, AF017437, AF067728, AL049283, AL137459, AF090900, AF106862, S61953, I89931, AL133558, A08916, Y10655, I49625, U92992, I33392, A21625, AF200464, AL110225, E01573, E02319, AF100931, AL117457, Y11587, A76335, AF141289, AL133113, AL050138, AF057300, AF057299, Z83840, X70685, U73682, AC007458, X83508, X82434, AF019298, AC006978, S78214, AL117648, AF091084, AF113019, AF113677, AF153205, AL110221, AL049452, U91329, AF140224, AL080124, AF126247, AL050277, A08908, AL137560, I48979, AF077349, Y13653, AL035458, AF118094, AF087943, AL133640, AL117585, I03321, AF180525, U80742, AL137480, E08516, I00734, AL137463, AJ001388, M19658, A65340, AF118070, AJ242859, AR059958, AF185614, E00617, E00717, E00778, AL137479, AL137476, AC004383, AF078844, X87582, AJ000937, AF106697, AF158248, AL050108, AL133568, AL133565, AJ005690, AJ012755, M84133, A26498, AF076464, U67958, AL122093, AF102578, AL110280, AF118558, AF106827, U00763, AF082526, Y14314, AF177401, S68736, AL117394, A08912, AL137521, AF104032, AF026816, AF097996, U83980, AF079763, X52128, AP000697, AF026124, AL050146, AL050393, A03736, AL049314, X72624, AL117583, |
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| | | | | M77345, AL137256, AF090896, AJ006417, E05822, AR038854, A21103, AL137283, AF118064, AL049938, E03671, AL049430, AR015970, AL137648, X84990, AL122098, AF017152, AF047716, AL133016, I09499, AF079765, X63574, X98834, AL122123, AR011880, AL049423, AF167995, AF119337, AF113694, AL049464, AL137557, AC002464, X96540, AR038969, AJ238278, AL080139, U37359, AL133014, AF030513, A90832, U72620, AF126372, AF003737, X66862, Y16645, M30514, AL110296, I17767, AF044221, X92070, Z37987, AF026008, L31396, AF146568, A12297, L31397, AC002480, AF061943, AF113013, AF100781, AL133067, AF090934, S63521, AL050024 |
| 1236 | HCRMY91 | 875841 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 852 of SEQ ID NO:1236, b is an integer of 15 to 866, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1236, and where b is greater than or equal to a + 14. | AL134431, AA046904, H05571, R11919, W79925, R11987, R55079, R84811, R53363, H10691, F11225, AA354088, R22842, R19546, AI803682, AI198775, AA452378, AA040404, AI150653, AA307589 |
| 1237 | HNTRA39 | 875845 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 785 of SEQ ID NO:1237, b is an integer of 15 to 799, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1237, and where b is greater | AI889332, AI628477, AI275204, AI633956, AW079861, AW118929, AA911538, AI342851, AW300007, R91897, AI623866, AW204145, L44538, AA011077, AI648696, AI914833, AI521684, X62311 |

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| | | | than or equal to a + 14. | |
| 1238 | HCRPW33 | 875846 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 705 of SEQ ID NO:1238, b is an integer of 15 to 719, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1238, and where b is greater than or equal to a + 14. | AA315737, AA476814 |
| 1239 | HFCFI37 | 875848 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 325 of SEQ ID NO:1239, b is an integer of 15 to 339, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1239, and where b is greater than or equal to a + 14. | AL120789, AC003007, AC005632 |
| 1240 | HCQCL72 | 875849 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 215 of SEQ ID NO:1240, b is an integer of 15 to 229, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1240, and where b is greater | AI817147, AA907222, H51868, AA281655, AA361371, AI301198, AA911728 |

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| | | | than or equal to a + 14. | |
| 1241 | HCQCT09 | 875850 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1061 of SEQ ID NO:1241, b is an integer of 15 to 1075, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1241, and where b is greater than or equal to a + 14. | AW021240, AA535264, AA149863, AA694163, AI422346, AI472109, AI811633, AA931734, AI419485, AI302192, AI288249, AA410584, AI418912, AI049618, AI089786, AA911728, AA149808, AI700267, AI299240, AA501370, AI814823, AA232714, AI865849, AA232212, AA825451, AI718827, AI281840, AA932086, AI283229, H60430, AI471234, H60476, AA631685, AA576637, AI301198, AI949336, AA368973, AA236013, C01314, AI860871, AA361371, AA281786, AA327052, AA907222, AI857607, AI817147, AA281655, AA411619, H51868 |
| 1242 | HCRMR12 | 875851 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 322 of SEQ ID NO:1242, b is an integer of 15 to 336, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1242, and where b is greater than or equal to a + 14. | AC006512, U47924 |
| 1243 | HCIAE18 | 875852 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 738 of SEQ ID NO:1243, b is an integer of 15 to 752, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1243, and where b is greater | AA524300, AI732383, AA570296, AI732336, AA515389 |

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| | | | than or equal to a + 14. | |
| 1244 | HHFHU39 | 875855 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 750 of SEQ ID NO:1244, b is an integer of 15 to 764, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1244, and where b is greater than or equal to a + 14. | AI271571, AA452037, AI424866, AA423988, AA483361, AI266636, AA742931, AI266634, AA424028, AA702780 |
| 1245 | HCQAW29 | 875856 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 354 of SEQ ID NO:1245, b is an integer of 15 to 368, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1245, and where b is greater than or equal to a + 14. | R33721 |
| 1246 | HBMDM33 | 875858 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 497 of SEQ ID NO:1246, b is an integer of 15 to 511, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1246, and where b is greater | AA857451, AA857804 |

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|---|---|---|---|---|
| | | | than or equal to a + 14. | |
| 1247 | HKLSD32 | 875863 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 417 of SEQ ID NO:1247, b is an integer of 15 to 431, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1247, and where b is greater than or equal to a + 14. | AA405791, AI524014, AI380383, AW082968, AW342068, AA911893, AI824001, AI692746, AI433518, AI949654, AW170143, AI277105, AI266424, AI272885, AI318386, AI937056, AW058565, AW028276, AI075130, AI632588, AI393303, W99355, AI470310, H87135, AI807925, AI027883, AI695062, AI277524, AI201665, AA099404, AI471922, AA384650, AA364750, AA099465, AI359471, AI961082, AW338912, AW302395, AI702221, AW059776, D20616, AF086516, AI653206 |
| 1248 | HYACE34 | 875864 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2044 of SEQ ID NO:1248, b is an integer of 15 to 2058, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1248, and where b is greater than or equal to a + 14. | AI492300, AA155864, AI336122, AA507001, AI805390, AA213868, AA504365, AI805573, AI267513, AA480597, N28434, AA829763, H86647, W99382, R82575, AA213776, AW402251, AI277875, AI220789, AA405669, AA281807, AW023046, AA025280 |
| 1249 | HNTTC18 | 875865 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 929 of SEQ ID NO:1249, b is an integer of 15 to 943, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1249, and where b is greater | AL041644, AI652238, AI125934, AI972064, AI373883, AA401082, AA403146, AA587259, AW152027, AA648691, AA632889, AA572909, AA528434, T52508, T04918, T63002, AI625085, AI817337, AA922661, AA091326, M27878 |

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| | | | than or equal to a + 14. | |
| 1250 | H2CAA34 | 875868 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2217 of SEQ ID NO:1250, b is an integer of 15 to 2231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1250, and where b is greater than or equal to a + 14. | AA913891, AA071067, AW247518, AA125853, R56714, AA576929, AA307834, AA204972, AA445946, H98812, AI028402, AA127005, AA223811, AA101503, R72151, H53723, H06566, H29389, AA182597, AA126153, AA232436, AA306744, T35189, AA164773, AI458548, T70821, R10266, Z21129, AW386767, AA436573, AI610191, H29413, AA301432, AA724488, AW449887, AI242268, AI525912, AW368592, AW377757, AW390796, AA344660, AA307848, AA715437, AW361336, AI248847, AL040968, AA938368, AW361341, AA676800, AW368596, Z21101, AW451729, AF191018, Z94761 |
| 1251 | HWLQA33 | 875871 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 398 of SEQ ID NO:1251, b is an integer of 15 to 412, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1251, and where b is greater than or equal to a + 14. | AA436794, R09306, AA384577, AC006211 |
| 1252 | HCQCT65 | 875874 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 402 of SEQ ID NO:1252, b is an integer of 15 to 416, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1252, and where b is greater | |

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| | | | than or equal to a + 14. | |
| 1253 | HWHPI50 | 875884 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2721 of SEQ ID NO:1253, b is an integer of 15 to 2735, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1253, and where b is greater than or equal to a + 14. | AW026114, AW418826, AW341657, AA910088, AI860171, AW190146, AI700326, AI089966, AI670850, H18740, AI093699, AI159857, AA996095, AI401266, AI240251, AW242162, AA594503, AI056938, AI864216, AA506903, AA426024, AA724498, AI263294, T75461, Z43179, AA443290, H25984, AA514196, R61755, AA526102, AA476713, F13159, T19223, Z39262, AA705253, AA609888, AA659875, F02603, R34659, AA319603, AA759148, R49189, AI538091, F13136, R61756, R21716, AA300990, F06309, F10761, AI865079, AW337918, AI889018, AA834239, AA096413, AI242996, F06308, H18653, AA774400, R46606, AW382812, N53750, AW382785, AL121653, AL121658 |
| 1254 | HCRQD12 | 875886 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 679 of SEQ ID NO:1254, b is an integer of 15 to 693, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1254, and where b is greater than or equal to a + 14. | AI703451 |
| 1255 | HNHHM31 | 875888 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 448 of SEQ ID NO:1255, b is an integer of 15 to 462, where both a and b correspond to the positions of | AA644044, AW135276, AA887861, AW137420 |

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| 1256 | HCRQG23 | 875891 | nucleotide residues shown in SEQ ID NO:1255, and where b is greater than or equal to a + 14. | AI022242, AW410996, AI800815, AI814040, |
| | | | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1023 of SEQ ID NO:1256, b is an integer of 15 to 1037, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1256, and where b is greater than or equal to a + 14. | AW264268, AA191425, W72080, W94651, AW015105, |
| | | | | AA443454, AA443318, AW410985, AI597605, |
| | | | | AW273210, AW250450, AW411145, AI190182, |
| | | | | AA993201, AA403278, AA430513, W94612, W96124, |
| | | | | N54325, AI357461, AA190985, W77863, AA643738, |
| | | | | AL120980, AA113214, AA858265, AA993185, |
| | | | | AI375010, AI498876, AA829321, AA701490, |
| | | | | AA132962, AA287691, AI277849, AI301164, |
| | | | | AA251325, AW015857, AA403106, W60258, AA084833, |
| | | | | AI253793, AA775859, W05830, AA243176, AI038024, |
| | | | | AA766410, AA805677, AI049993, AA775554, |
| | | | | AI039481, H80596, AA196760, AA430648, AA804241, |
| | | | | N77873, W96125, R69970, H80623, AI219581, |
| | | | | H67651, AA190668, C01701, AI352459, AI275174, |
| | | | | AA732213, AA128877, H30387, N23878, T12121, |
| | | | | AI015455, H80540, AI220709, H67511, H18761, |
| | | | | AA485022, AA251518, AA243193, AA505285, |
| | | | | AA779102, H82765, AA570290, H52438, H67114, |
| | | | | H71899, R69971, H52437, AA187869, AA505681, |
| | | | | H67510, AA626883, AA232342, H71112, AA995473, |
| | | | | AA456466, AI142314, H80657, AA454572, AA213633, |
| | | | | AL119457, AL119399, AL119324, AL042544, |
| | | | | AL134524, AW392670, AL119484, AL119439, |
| | | | | AL119443, Z99396, AW372827, AL119391, AW363220, |
| | | | | AL119319, AL134530, AW384394, AL119522, |
| | | | | AL134519, U46347, AL119497, U46350, AL119363, |
| | | | | AL119418, AL134528, AL119483, U46351, AL119355, |
| | | | | U46349, U46341, AL119341, AL119335, AL119396, |
| | | | | AL119444, AL119464, AL119496, AL043003, |
| | | | | AL037205, AL042614, AL119401, U46346, AL134525, |
| | | | | D21063, D83987, X67334, AF004105, D86725, |
| | | | | AR060234, AR066494, A81671, AB026436, AR054110, |

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| | | | | AR069079, AR043113 |
| 1257 | HKLSB39 | 875894 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1257 of SEQ ID NO:1257, b is an integer of 15 to 1271, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1257, and where b is greater than or equal to a + 14. | AA595346, AA243787, AA024609, AA024578, AA076356, AA076467, AA760927, AI272832, AA243135, H17412, F06362, R25565, AI829044, AA400326, T26645, AA243569, AW020146, AI744718, AW384427, AA768909, AA743098, T77293, AA024577, AA723998, U35376, D70831, AC002519, AF038179, AA400327 |
| 1258 | H2CBN05 | 875897 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 835 of SEQ ID NO:1258, b is an integer of 15 to 849, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1258, and where b is greater than or equal to a + 14. | AA307799, AW292094, T70856, AI161296, AA235668, AW296027, AI699099, AI693823, AI693216, AI992018, AA115026, AI681528, AA136109, AA732568, AA776036, AA643914, AA258666, AA416754, AI061590 |
| 1259 | HCQDT85 | 875899 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 608 of SEQ ID NO:1259, b is an integer of 15 to 622, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1259, and where b is greater | AI500310, AI672249 |

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| | | | than or equal to a + 14. | |
| 1260 | HARAJ31 | 875900 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 457 of SEQ ID NO:1260, b is an integer of 15 to 471, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1260, and where b is greater than or equal to a + 14. | AA317663, Z65370 |
| 1261 | HCRMQ35 | 875904 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 633 of SEQ ID NO:1261, b is an integer of 15 to 647, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1261, and where b is greater than or equal to a + 14. | AI589507, AW009664, AA703098, AI453542, AA532750, N67298, AI148172, AI095316, AA708739, AW022231, AI601197, AI457493, AI580184, AA922944, AI922763, AI023347, AI096333, AA633368, AW023348, AA477261, AA693591, AI870748, AW274004, W78756, AI298179, W78055, AI057523, AI126504, AI248086, AA873476, AI679385, AI679894, AI190295, AW073346, N21034, AA039311, N22989, AA508686, W80491, W86880, AI361360, AI540214, AA938881, W79149, AW368422, AI432392, AI078371, R61323, AA039411, AA932937, AA829705, AW073773, AA002095, N67361, H59053, AA076438, AA535629, AA912096, W21314, AA610431, AI936749, T66278, AW405920, F12299, N44193, AA508849, AA884012, AA890651, W81519, N93501, AA480270, C00277, R38195, AI332894, T16604, W21320, R44910, N78644, AI478709, AI125999, AI590819, AA558779, AI300933, AW263399, AI085918, AA974965, AI741413, N93508, W81635, AW194811, N93088, AI630149, R56244, W24742, AW205755, AA991876, AI972554, AA004362, AI989930, AI760486, AI491861, AI581783, AA991538, AI969278, Z39245, AI650517, AW361735, |

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| | | | | AW361839, U90904, AI242039 |
| 1262 | HMUBG30 | 875905 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 822 of SEQ ID NO:1262, b is an integer of 15 to 836, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1262, and where b is greater than or equal to a + 14. | AA459525, AA402831, H93300, W45229, AC004806, AC004056, AL031116 |
| 1263 | HCQAH30 | 875906 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 298 of SEQ ID NO:1263, b is an integer of 15 to 312, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1263, and where b is greater than or equal to a + 14. | |
| 1264 | HWDAH30 | 875907 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 176 of SEQ ID NO:1264, b is an integer of 15 to 190, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1264, and where b is greater | AF161019, AJ131890 |

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| | | | than or equal to a + 14. | |
| 1265 | HCQAM30 | 875908 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 557 of SEQ ID NO:1265, b is an integer of 15 to 571, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1265, and where b is greater than or equal to a + 14. | AA431300, AW450428, AI688064, AI768150, AI123686, AW242691, AI052046, AA890607, AA758061, AA609531, AI797591, AA723978, AA934785, AA431657 |
| 1266 | HAGEA31 | 875912 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1460 of SEQ ID NO:1266, b is an integer of 15 to 1474, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1266, and where b is greater than or equal to a + 14. | AA305680, H64054, AA159569, AA378423, AA321559, AA237093, AL117344 |
| 1267 | HCROZ66 | 875913 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1391 of SEQ ID NO:1267, b is an integer of 15 to 1405, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1267, and where b is greater | AI823992, AW082308, AI816135, AI589007, AI566535, AW272765, AA766315, AW242239, AA279943, AI816094, AI014927, AI038579, AA578848, AI476548, AI354483, AA973322, AA992180, AI392988, AA327978, AA769228, AA506076, AI653752, AI370562, AA172248, AA343765, AI282882, AA279942, AA506075, AL137710 |

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| 1268 | HDPBY50 | 875914 | than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1439 of SEQ ID NO:1268, b is an integer of 15 to 1453, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1268, and where b is greater than or equal to a + 14. | AI819116, AW372211, AW372198, AI583182, AA176112, AW134519, AI628367, AI478195, AA143793, AI394104, AI697987, AI675294, AW390678, AI768078, N24394, AA101252, AI830602, AI628409, AI438987, AI810299, AA020980, R22198, AI890121, AI671411, AA733134, H44639, AA581997, AI862828, AW139467, AI866902, AA857679, H97045, AA465732, AA340274, AA974904, AA731664, AA494109, AI811317, AI338111, R78337, H99145, AI200103, AA291168, AA731663, AA327229, AW363178, AA021065, D79177, R77963, R22252, AI581618, AA026878, AA501786, AA216611, W32118, W31626, H43598, AA148177, AA730560, AI472513, AA465134, C75353, C01240, AA978055, AW369487, AA731711, AI538764, AA731241, AL042191, AW193620, AW025279, AI096771, AW243451, AW150750, AW029457, AI537187, AI421662, AI571442, AI224373, AI433611, AI491710, AI696583, AA830333, W45039, AI927233, AI671429, AI370623, AW021717, AW150214, AI095530, AI289791, AA613255, AW089379, AW020455, AL045859, AW168700, AI678681, AL040011, AI633125, AW194014, AI351737, AI831938, AI499325, AI491852, AI699020, AI678446, AI468622, AI932660, AI886355, AI952797, AI696714, AI817733, AI889449, AI309306, AW080157, AW087837, AA761557, AI656270, W38553, AW167926, AI493836, AW021662, AW002327, AI524139, AW089844, AA630788, AI954721, AI568293, AA760851, AI470717, AI342210, AA954134, AI445620, AW163834, AI613038, AI623835, AW410842, AW083750, AW023871, AA923096, AI867017, AI368579, F36855, AI886452, AI680369, AI658566, AI801325, N22276, F37323, AA829775, AI923989, AI690813, AI538885, |

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| | | | AI866469, AL042593, AI648699, AA814517, AW293496, N25033, AW151136, AW051898, AW183620, AW193125, AI638644, AI862896, AP000501, AL133047, AL080234, AL050116, AL137271, AB007812, E03348, E03349, AL117587, AC005886, AF118094, AF013214, E12747, A65341, AF115392, AF047716, AF124728, AL117460, AJ005870, L25851, I33984, AL133067, AF002672, AR022283, AL137258, AL050172, AL137533, AF185614, I89947, AC002287, AC004690, AJ005690, AR038854, AR050959, AR012379, X93495, AF000167, AC002540, M85164, AL133015, AL137548, A18777, Y14314, AF126372, E04233, AF200464, I09499, AL133619, AL133084, I22020, AF036941, AR062106, AL023657, AL137641, S77771, X84990, AL137711, X72889, AF161418, AL137650, AF008439, S59519, AL133016, U37359, AL133371, AF054289, AF095901, A41579, AL133665, AF100931, X66862, AL137478, AL080159, AF136009, AL122100, AF199027, AR034821, S82852, A03736, AF102578, Z97214, S65585, A08907, AR020905, AR066485, X70514, U96683, S83440, AF032666, X00861, AC018767, X61399, AF044323, U36585, AL137292, AJ012755, AF182215, AC006013, AF098484, AL050024, AB031064, AL133088, AL049423, AR059958, X68560, AF124435, U72620, AL117649, X06146, AF090901, AL049276, AL049447, AF038847, AF107847, AR029490, E12806, AL137716, AL137495, X99971, AF150103 |
| 1269 | HDTKD18 | 875915 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1339 of SEQ ID NO:1269, b is an integer of 15 to 1353, where both a and b | AI796221, N64043, AA036820, AW237633, AA485589, AA036775, AA485425, AI270597, AI242326, AW001030 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1269, and where b is greater than or equal to a + 14. | |
| 1270 | HHPGT16 | 875923 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1555 of SEQ ID NO:1270, b is an integer of 15 to 1569, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1270, and where b is greater than or equal to a + 14. | AI307250, AI271439, AI650441, AI017475, AI251828, AI672237, AI374969, AI350623, AI334985, AA483351, AA251224, AI146704, AI000570, AA442545, AA629033, AW002826, AA489129, AI491723, AI208598, AI886308, AW149502, D45489, AL049146, AI143491, AW020704, AW022820, AW369852, Z43342, AI221861, AA779644, AI221998, AL079690, T18542, AB002371, AL049382, AF176816 |
| 1271 | H2CBF28 | 875924 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 559 of SEQ ID NO:1271, b is an integer of 15 to 573, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1271, and where b is greater than or equal to a + 14. | AA461032, AA307375, AF155739 |
| 1272 | HCQDM28 | 875925 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 768 of SEQ ID NO:1272, b is an integer of 15 to 782, where both a and b | N30135, AI767701, AI633623, AI140698, AW269969, N34283, AA610009, T65377, AA535713, AA135305, AA904500, AI271558, AW043844, AW168046, R42844, AA830555, H20852, N51615, AW168340, AA779492, D29317, AW149189, T77049, AA910171, AA679759, AI262864, H22970, H08110, AA136386, R40094, F09407, T15987, T35272, AI470445, H08109, AA361165, H20903, R21459, H22760, R14782, |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1272, and where b is greater than or equal to a + 14. | T65454, F11747, AL117635 |
| 1273 | HUKFO71 | 875926 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 280 of SEQ ID NO:1273, b is an integer of 15 to 294, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1273, and where b is greater than or equal to a + 14. | Z42318 |
| 1274 | HCQAT28 | 875927 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 673 of SEQ ID NO:1274, b is an integer of 15 to 687, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1274, and where b is greater than or equal to a + 14. | AW195495, AI927965, AI660501, AI830732, AI271628, AI224848, AI271624, AA227881, AA579040, AI080263, AI016903, AW074630, AW119163, AI796459, AA194238, AA251354, AA193292, AA314587, AJ242739 |
| 1275 | HCYBC56 | 875932 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 804 of SEQ ID NO:1275, b is an integer of 15 to 818, where both a and b | AA305033, AW248879, C17203, AI915163, AI298556, N73317, AI474187, AI401089, AI634988, AA427374, AI190151, AW043949, AA343654, AI690026, F03312, AI821377, AI766223, AI948443, AI820529, R42572, F03338, AI032325, AW088758, AA621333, AL046205, AI352330, AA156447, AA261784, T64484, AA663522, AI041540, AI128869, F33912, R38482, N94950, AI817198, AA433949, AI223036, AA456954, |

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| | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1275, and where b is greater than or equal to a + 14. | AW134514, AA362770, AI738910, AA931551,<br>AA856757, AW079224, AA856766, R99371, AI431703,<br>AW023137, AA525926, AI784057, AA844907,<br>AW168420, Z94056, AC007160, AC005874, AF134471,<br>AL049872, AC007263, AC007064, Z97055, AC006480,<br>AC005799, AC005616, AC006088, AC004707,<br>AL035408, AC002375, AC010206, AL024507,<br>AC004702, AC005102, AC004679, AC007376,<br>AC004542, AC005011, AC005207, AL117338,<br>AL031767, U91318, AC005953, AC005036, AP000111,<br>AP000043, AC005477, AC005228, AL031665,<br>AL035414, AC005578, AC004791, AP001053,<br>AC007276, AC004921, AL133289, AC006387,<br>AF001549, AC004887, AC006582, AB020863,<br>AL139054, AC005993, AL109837, AL132774,<br>AL035686, AP000108, AP000040, AC004862, Z98744,<br>AC003007, AC007880, Z95126, AC011604, AE000661,<br>AC005013, AC005295, AL049869, U82670, AC007225,<br>AL022326, AL031681, AC004605, U85196, AC007402,<br>AC009501, AL034420, AC003964, AC007546, Z99496,<br>AC009946, AC006059, AP000509, AC005145,<br>AC004976, AC005095, AC002384, AL049743,<br>AL121578, AL078593, AC008115, AL121657,<br>AC007510, AP000240, U80460, AC007773, AC005792,<br>AC005482, Z98043, AE000659, AC004817, AL022100,<br>AL035089, Z82245, AC005547, AC004825, AL035608,<br>AC003991, AL078475, AC004510, AL022727,<br>AC012627, AB003151, AC006167, AC005027,<br>AB004907, AC005878, AL096711, AC004029,<br>AP000511, AF111169, D84394, AP000688, AC011456,<br>U50871, AP000280, AL109985, AC004838, AL035420,<br>AC002390, AC002299, AB023050, AC002992,<br>AC003037, AP000107, Z99715, AC004185, AC006137,<br>AP000039, AL109956, AL109654, AF015416,<br>AC007380, AC006040, AC004067, AC006204,<br>AL049564, U85198, AC004859, AC004896, AC006536, |

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| | | | | AP000131, AP000209, AC002464, AC004700, AC003670, AF207955, Z79996, AP000283, AC002289, U95740, AC004002, AC006928, AC007058, U52112, AC007240, AC005380, AL121591, AL109938, AC005731, AL035069, AP000282, AC004106, AC006991, AC004911, AF002993, AP000501, Z69712, AF096876, AC002331, AL023805, AC007450, AC006048, X96421, AC005483, AP000201, AL034554, AC005138, AF165142, AP000097, AC007280, AC004472, AC007024, AC004409, AP000248, AP000144, Z92547, AL031053 |
| 1276 | HAAACI1 | 875933 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 836 of SEQ ID NO:1276, b is an integer of 15 to 850, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1276, and where b is greater than or equal to a + 14. | AI539783, AW022097, AA489755, H10506, AA489648, AC004702 |
| 1277 | HNHOI84 | 875934 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 486 of SEQ ID NO:1277, b is an integer of 15 to 500, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1277, and where b is greater than or equal to a + 14. | AA417136, H78660, AW292282, AC000378 |
| 1278 | HRABT72 | 875935 | Preferably excluded from the | |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 547 of SEQ ID NO:1278, b is an integer of 15 to 561, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1278, and where b is greater than or equal to a + 14. | AW377286, AA877900, AW374882, AW374986, AW363009, AW374838, AI791951, AW374892, AI431674, AW374858, AW363038, AW363010, AI821099, AW374992, AI940416, AW374993, AW375002, AI821845, AA633302, AW374878, AW363039, AW274215, AI732655, AI573096, AW374894, AA581944, AW191851, AW451240, AI360701, AI273759, AI280846, AW451809, AA053660, AW452362, AW293665, AA535532, AI620830, AA961152, AA582019, AA053763, AA295334, AI318604, AI278909, AW374321, AW080947, AW351525, AA376765, AA366856, AW191847, D25711, AA377129, AA601073, T24571, AW376784, AW376582, AI708873, AW243603, AI991190, AW376686, AW376776, AW376658, AI828388, AW291776, AW006478, AW193257, AW376625, AI254661, AW376692, AI458795, AW376516, AW364147 |
| 1279 | HWLEG68 | 875936 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1653 of SEQ ID NO:1279, b is an integer of 15 to 1667, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1279, and where b is greater than or equal to a + 14. | |
| 1280 | HSIDV66 | 875937 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 443 of SEQ ID NO:1280, b is an integer of | AI431674, AW376784, AW376582, AW376686, AW376776, AW376658, AW376776, AW451809, AA535532, AW376625, AW452362, AW451809, AA535532, AW376625, AA961152, AI648663, AI284509, AL042628, AI815855, AI476109, AW150578, AL045266, AI866002, AI866573, AL041772, AW084219, AI289937, AI274769, AI863240, AI250663, |

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| | | 15 to 457, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1280, and where b is greater than or equal to a + 14. | AI364788, AI433976, AW051107, AI620284,<br>AI590120, AL045500, AI433157, AI560099,<br>AI539771, AI345608, AI521012, AI537677,<br>AW083804, AI521560, AI500659, AI801325,<br>AI500523, AI284517, AI500706, AI491776,<br>AI445237, AW151138, AI500662, AI273142,<br>AI633493, AI434256, AI284513, AI888118,<br>AI868831, AW149227, AI828731, AI619716,<br>AW082040, AW102785, AW103893, AI561299,<br>AI608676, AI886124, AI554218, AW079159,<br>AI269862, AI612759, AI867042, AI888953,<br>AI280661, AI537617, AI919345, AA427700,<br>AI537515, AI349598, AI251830, AI873644,<br>AI366549, AI636719, AI340582, AW103371,<br>AL042551, AI611743, AI500039, AW161579,<br>AI955906, AI872711, AI571909, AI801322,<br>AL043326, AL040243, AW162071, AI284131,<br>AI433037, AI174394, AI923768, AI888661,<br>AW268220, AL119863, AI334450, AI340603,<br>AI498579, AI445165, AL036759, AW023590,<br>AW302988, AI687065, AI446003, AW074993,<br>AI224992, AW059837, AI251205, AI696626,<br>AI344935, AI678762, AI539153, AI610645,<br>AL036214, AI828367, AW262565, AI439762,<br>AL120853, AW087445, AI499986, AI633419,<br>AA225339, AI538716, AI689420, AW301300,<br>AI097248, AI453322, AI815232, AI269696,<br>AW190042, AL079963, AI922676, AI680498,<br>AW071417, AI963216, AI348897, AW082594,<br>AL119791, AI922901, AI282326, AI888944,<br>AW088134, AI589993, AI648684, AI687465,<br>AW022682, AW403717, AW167410, AW129106,<br>AI800453, AI800433, AI468872, AI866608,<br>AW238730, AW088903, AI829327, AW081255,<br>AI308032, AI889189, AI497733, AI308035,<br>AI275175, AW169653, AL038605, AA640779, |

AI921176, AI434223, AI689175, AA470491,
AI343059, AL040241, AA508692, AI292193,
AI446373, AL037454, AI349933, N80094, AI349256,
AW196141, AI805638, AI569616, AI824557,
AI587288, AL121328, AA494167, AA974049,
AL038779, AI873604, AL036361, AL036403, N33175,
AI336575, AI349645, AW117746, AL110402,
AL036274, AI799199, AA572758, AI540832,
AW269097, AI926790, AW002342, AW050522,
AL038445, AW089179, AI312428, AI554427,
AI564719, AI891157, AI696819, AI281772,
AI889376, AI932794, AI857760, AI499463,
AI524671, AI608936, AI699011, AW051258,
AW085667, AI921248, AI611738, AW102761,
AI619502, AI677796, AI632408, AI306613,
AI802542, AI569583, AI952360, AI633125,
AI499285, AI886753, AI312152, AI274013,
AI564723, AI933589, AW026882, AI627988,
AI783504, AA420758, AI869367, AL036869, I48979,
I48978, AB019565, A08916, I89947, A08913,
A08910, AL133016, I89931, I49625, AL110196,
AL133080, AF106862, AF079765, AL122050,
AF113013, AL133560, AF146568, AF090896, E03348,
AL049382, AL049314, AR059958, AF113689, Y11587,
A08909, AF113676, S68736, AL137557, AL133093,
AL049466, AF113690, E07361, Y16645, X84990,
AL137527, AL133565, AL080060, AJ242859,
AL122121, AF118064, AF118070, AL049430,
AF113699, AL133640, AL080137, AF061943,
AL050146, AF091084, AL117583, AL117585,
AL122098, AF090903, AL050116, AF177401,
AF104032, AL122123, AF090934, A65341, Y11254,
S78214, AL110221, AF125949, AL122093, AF078844,
AF113019, AL049300, AF097996, AF111851, Z82022,
AF183393, AL137538, AL137463, AF090901,
AL050393, AR011880, AL133557, AF017152,

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| | | | AL133075, AF158248, X93495, U72620, A93016, AF118094, AF113694, X82434, AL050024, AJ000937, AL049464, E02349, AL050277, AL137459, AL117460, E07108, AF090900, AL117457, L31396, U42766, AL133606, AL137521, L31397, X96540, A58524, AL049452, A58523, AL137550, U00763, AJ238278, AL050108, AL080124, AL117394, X63574, I03321, AF017437, AF113677, A77033, A77035, I33392, AL137271, AF113691, AL080127, AL050149, AF125948, AL117435, X72889, AF090943, AL096744, AL110225, U80742, AL050138, U91329, AL122110, AL137283, AL049938, AL137648, A12297, X70685, AL133113, U35846, A03736, X65873, AL080159, I42402, AL133072, E15569, A08912, I09360, AF087943, AL049283, AL110197, U67958, X98834, E08263, E08264, AF067728, AL137523, AR000496, U39656, I26207, AL122049, AL133077, AL050172, A93350, AJ012755, AL133104, AF111112, A07647, AF119337, AL137560, AF003737, AL137556, AF153205, Y14314, AL133014, AF000145, AL110280, AF026124, AL133568, AF185576, AF026816, AF162270, AL117440, AR038854, Z72491, AF106827, U96683, AF057300, AF057299, S61953, E04233, L30117, AL117432, AL137476, I17767, AL137273, AL122111, Y09972, E02221, AR038969, A90832, AL133067, AL137526, A08911, A45787, AL133098, AF079763, AL137480, AR013797, I00734, U78525, L19437, X87582, E00617, E00717, E00778, AC006112, AC004093, X62580, Z37987, AL080074, AJ006417, AC004878, M30514, X92070, AL080086, E05822, AF067790, AF095901, AL137478, U68387, AL122118, AL050092, E08631, Y07905, U49908, U58996, AC006336, AL022147, AF210052, AF111849, AL137705, AF132676, AF061836, AL023657, AL137533, AL137292, AF008439, AF100931 |
| 1281 | HWAAD15 | 875938 | Preferably excluded from the | AI479334, AW438880, AI969482, AA740980, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 709 of SEQ ID NO:1281, b is an integer of 15 to 723, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1281, and where b is greater than or equal to a + 14. | AI151466, AI670122, AA877322, N63143, AI422330, AA694453, AA766111, AI277749, D20155, AI633803, AA910174, AW002649, AF102851 |
| 1282 | HUFFD27 | 875939 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 317 of SEQ ID NO:1282, b is an integer of 15 to 331, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1282, and where b is greater than or equal to a + 14. | T81216 |
| 1283 | HWLMZ30 | 875940 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 333 of SEQ ID NO:1283, b is an integer of 15 to 347, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1283, and where b is greater than or equal to a + 14. | AW295800, AW449384, AI341114, AA886955 |
| 1284 | H2LAJ89 | 875941 | Preferably excluded from the | AA314048, D80168, D59695, D80949, D52291, |

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| 1285 | HSPBY20 | 875942 | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 904 of SEQ ID NO:1284, b is an integer of 15 to 918, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1284, and where b is greater than or equal to a + 14. | C14298, D51079, C14227, AW360780, C14407, D81111, D80064, D80290, D59927, D59627, D80227, D59502, D59859, D80269, D80195, D51799, D58283, D80166, C14331, C15076, D59467, D51423, D59619, D80210, D80391, D80164, D59275, D80240, D80253, D80193, D81030, D80043, C14389, AW352172, D80212, D80022, D57483, D80038, D80378, D80196, D80188, D80219, D50995, D59787, AW377661, D59889, D59610, D50979, D80366, D80045, D80024, D80241, AA305409, F13647, AI557751, T11417, C06015, Z21582, D58101, C75259, D51060, C14014, D80258, D59503, AA514188, D51022, AA305578, D58246, D51213, D45273, T03048, AW377669, AI557774, D80248, D80014, D80228, T02974, C16955, D59484, D52059, D81026, AA514186, C05695, AI535686, D80268, Z33452, D80302, AA514184, D80439, D80522, D80133, D80251, D80247, T03116, AI535961, H67854, H67866, AA027769, D51103, AI525216, AI525228, D51053, T02868, AI525969, C03092, D59373, AA809122, N66429, D51759, C14973, D59551, D31458, C14344, D59317, D80157, C04682, D51221, D59474, Z30160, AI525238, D59653, C14046, C13958, H67858, AI525242, AI525222, C14957, D60010, AI525923, D45260, AI525920, AA305720, AF048722, AB006320, AF048720, AF048721, AJ222971, AF048724, U69961, U70132, AB006321, AF048723, U80010, AF039832, U80036, AJ222972, U80011, AF076640, AF077092, AF155206, AF217647, AF063935, AB010386, I82448, A84916, AJ132110, A62300, A62298, AR016808, AR018138, AF058696, I82446, U37689, X64588, AR008278, AB028859, I81198, AB019242, A47134, A82595, AR060385, I14842, AB002449, I79511, AR054175, AR008277, AR008281 |
| | | | Preferably excluded from the present invention are one or more | AW237287, AW363468, AW363480, AW363473, AW363477, AA121686, AW363466, W72522, AI828975, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3197 of SEQ ID NO:1285, b is an integer of 15 to 3211, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1285, and where b is greater than or equal to a + 14. | AI559999, AI804778, AI674566, AI129403, AA533052, AA527974, AI363501, AA143578, W51847, AW300353, AI831152, AA143579, AI741918, AA039996, W51848, W76081, AW117710, AI168002, AA311143, AA441903, N31268, AI884441, AI632722, AI869640, AA811715, AA505929, AW304874, AA847969, N59481, AA559159, AI695051, AA112361, AA558272, AA000001, AI720005, AI039160, AA039941, AI342286, AI497588, T06998, AA631737, AI571810, W80521, AA861746, AI985608, W80522, AI869233, AA902266, AA358008, AI301584, AA988922, AA706417, AW363471, AI460367, W81055, Z44588, AI276195, AA995745, AA370238, AI471184, AI358624, W93499, AA731776, AA225687, Z25022, R93719, Z33579, R93772, N22881, AA813411, R96999, T34389, AA442009, AW363465, AI707586, AA992785, AA329788, AW363476, T63311, C03451, AA527798, AW293240, AW363475, AW196088, T59616, C00776, T59728, Z28725, R96942, AI401471, AI985365, AA090503, H89254, AA091375, N76452, AA084311, AL121286, AA416534, AA635126, H25949, AA247310, N72061, N76425, T10848, AI868319, U95742, AC007216, AC007226 |
| 1286 | HE2DS24 | 875946 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 776 of SEQ ID NO:1286, b is an integer of 15 to 790, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1286, and where b is greater than or equal to a + 14. | AI436213, AI376989, AW272461, W67633, AW103191, AI460071, AI339966, AA309909, AI382859, AL035070 |
| 1287 | HSLFO26 | 875950 | Preferably excluded from the | AA353689 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 377 of SEQ ID NO:1287, b is an integer of 15 to 391, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1287, and where b is greater than or equal to a + 14. | |
| 1288 | HCQAH22 | 875951 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 378 of SEQ ID NO:1288, b is an integer of 15 to 392, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1288, and where b is greater than or equal to a + 14. | F12035, H11818, T65663, H07096, H06077, F12478, R17257, T74513 |
| 1289 | HHEYK87 | 875952 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 115 of SEQ ID NO:1289, b is an integer of 15 to 129, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1289, and where b is greater than or equal to a + 14. | |
| 1290 | HCRQN90 | 875954 | Preferably excluded from the | R05444, R05547, H24799, N24201, N28584, N31653, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 430 of SEQ ID NO:1290, b is an integer of 15 to 444, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1290, and where b is greater than or equal to a + 14. | N34107, AA193424, AA251321, AA251589, AA278204, AA287679, AA286744, AA494343, AA732455, AA740478, AA812121, AA814394, AA830316, AA877099, C04694, AA397959, AA435871, AA437027, AA442854, AA449086, AA449518, AA431365, AA732757, AA757686, AA759030, AI074034, AI082779, Z25143, Z28808, AI341874, AI141529, AI143886, AI149785, AI290312 |
| 1291 | HCQDT05 | 875955 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 659 of SEQ ID NO:1291, b is an integer of 15 to 673, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1291, and where b is greater than or equal to a + 14. | AI681892, AA861619, AI693051, AA009602, R67318, AC004908, AC000386 |
| 1292 | HACBI44 | 875967 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 358 of SEQ ID NO:1292, b is an integer of 15 to 372, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1292, and where b is greater than or equal to a + 14. | |
| 1293 | HHEWX30 | 875971 | Preferably excluded from the | AW177053, T85527, H66913, H53191, N78201, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1190 of SEQ ID NO:1293, b is an integer of 15 to 1204, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1293, and where b is greater than or equal to a + 14. | AW377523, AA234861, H51769, AA007382, AI783820 |
| 1294 | HCQCL24 | 875972 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 460 of SEQ ID NO:1294, b is an integer of 15 to 474, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1294, and where b is greater than or equal to a + 14. | H81368, R11282, T98326, AC006077 |
| 1295 | HE8NK61 | 875974 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 436 of SEQ ID NO:1295, b is an integer of 15 to 450, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1295, and where b is greater than or equal to a + 14. | AC005007 |
| 1296 | HWLCA48 | 875976 | Preferably excluded from the | AI005521, AI810382, AI659500, W92352, AI933284, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 379 of SEQ ID NO:1296, b is an integer of 15 to 393, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1296, and where b is greater than or equal to a + 14. | AA812596, AI400309, AW197587, AW192260, AI949417, W92316, AA722528, AI499349, AW300547, AW025996, AW172287, AW117376, AA194825, AI148427, AW292395, AA903846, AI018563, AI493973, AI082262, AI344368, AI765916, AA879432, AA961861, AW236495, AA912973, AI597682, AA459703, AI207327, N30720, AA936502, AI709271, AA877895, AA687402, AI420803, AA687115, AA504275, AI749696, AI472028, AA149279, AI383228, AI242850, N79884, AA149265, AI352279, AI363025, AA576875, AA809139, AI246634, AI439699, AI143444, AI918503, AI768616, AI970288, AA411377, N62978, AW351635, AW177011, AW167933, AI380451, AA836154, AW274680, W39570, AW170172, AA689438, AA406308, AA535797, AI283454, N30079, AL119324, AL119457, AW392670, Z99396, AW372827, AL119363, AW384394, AL119319, AL042544, AW363220, AL119497, AL119391, AL119484, AL119522, U46351, AL119355, AL119496, AL119443, AL119418, AL119399, AL119341, AL119483, U46341, AL119396, U46349, U46350, U46347, AL037205, AL119335, AL119401, AL119439, AL119444, AL134531, AL134525, AL134536, U46346, AI142131, AL042614, AL042965, AL042984, AL134538, AL043019, AL042975, AL134902, AI142132, AL043029, U46345, AL039851, AL042542, AL042450, AL042551, AL043003, AL119464, AF126743, AR066494, AR060234, A81671, AB026436, AR054110, AR069079 |
| 1297 | HUCOR05 | 875982 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 613 of SEQ ID NO:1297, b is an integer of | AI888086, AI962990, AI983535, AI597764, W60854, AI368836, AI808836, R49083, D60229, AI039175, R69837, R69838, AI277306, AA489467, AI498566, H28639, AA165333, C14571, AA094632, AA918475, AL096773 |

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| | | | 15 to 627, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1297, and where b is greater than or equal to a + 14. | |
| 1298 | HWAIC77 | 875983 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 367 of SEQ ID NO:1298, b is an integer of 15 to 381, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1298, and where b is greater than or equal to a + 14. | |
| 1299 | HWMBG80 | 875984 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 495 of SEQ ID NO:1299, b is an integer of 15 to 509, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1299, and where b is greater than or equal to a + 14. | AI472111, AI288509, AA453203, AA454170 |
| 1300 | HTXFU22 | 875989 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 438 of SEQ ID NO:1300, b is an integer of | AA226318, AI734064, AI732089 |

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| | | | 15 to 452, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1300, and where b is greater than or equal to a + 14. | |
| 1301 | HCQDO49 | 875990 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 525 of SEQ ID NO:1301, b is an integer of 15 to 539, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1301, and where b is greater than or equal to a + 14. | AI491942 |
| 1302 | HDPOZ22 | 875991 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 418 of SEQ ID NO:1302, b is an integer of 15 to 432, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1302, and where b is greater than or equal to a + 14. | Z43549, N39489, AC004789, AC005222 |
| 1303 | HWLQA90 | 875994 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1303, b is an integer of | AA486226, AI590941, AA157504, AC004503, AC005006, AC005962 |

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| | | | 15 to 421, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1303, and where b is greater than or equal to a + 14. | |
| 1304 | HATBS19 | 875995 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 801 of SEQ ID NO:1304, b is an integer of 15 to 815, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1304, and where b is greater than or equal to a + 14. | AA129774, N45232, AA478926, AW173347, AW390310, AI803946, AI471990, AI480219, AA928879, AA478806, AI802226, AI683194, AI356830, AI400467, AI421708, AW341836, AW136439, AI928546, AI937609, AI559183, AW316851, AI457809, AI420660, AA886493, AI915161, AW339403, D12201 |
| 1305 | HHSFJ11 | 875996 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 515 of SEQ ID NO:1305, b is an integer of 15 to 529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1305, and where b is greater than or equal to a + 14. | AI017418, AI817785, AA455094, AC005799 |
| 1306 | HCYBA19 | 875998 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 907 of SEQ ID NO:1306, b is an integer of | AA308922, T84214, Z43709, R05654 |

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| | | | 15 to 921, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1306, and where b is greater than or equal to a + 14. | |
| 1307 | HAPQW21 | 875999 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 788 of SEQ ID NO:1307, b is an integer of 15 to 802, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1307, and where b is greater than or equal to a + 14. | AI816929, AA743053, AA767907, AI494624, AA932213, AI830745, AA837394, AI962187, AI963297, AI962646, AI499897, AW207508, AA257988, AI889250, H62091, AI873713, AI652649, AI652588, AA412301, AA215370, AW245619, AI824020, AI208488, AI933125, AA912107, AI827787, AA470031, AW080557, AW367956, AA806884, AI611226 |
| 1308 | HCRND16 | 876001 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 365 of SEQ ID NO:1308, b is an integer of 15 to 379, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1308, and where b is greater than or equal to a + 14. | R86881, AA344692 |
| 1309 | HSPME68 | 876006 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1430 of SEQ ID NO:1309, b is an integer of | AI831502, AW135590, R80329, AI453275, H03544, AI867183, AA598849, H44114, AI864755, H92020, AA483703, H03459, AI973227, R28250, R80223, R27989, H92021, R93832, Z38639, AI807377, AW103726, AI343038, AW148303, AW302662, AI336506, AI254251, AW303238, AW268290, AI318301, AI363741, AI344795, AW411235, |

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| | | | 15 to 1444, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1309, and where b is greater than or equal to a + 14. | AW148382, AW161098, AI206899, AW118417, AA644481, Y11254, A91160, A76335, AL122098, AR068753, AR068751 |
| 1310 | HCRMC21 | 876007 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 339 of SEQ ID NO:1310, b is an integer of 15 to 353, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1310, and where b is greater than or equal to a + 14. | |
| 1311 | HLWCB78 | 876008 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 913 of SEQ ID NO:1311, b is an integer of 15 to 927, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1311, and where b is greater than or equal to a + 14. | H39742, R28582, AA384999, R58373 |
| 1312 | HWLME80 | 876011 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 490 of SEQ ID NO:1312, b is an integer of | |

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| | | | 15 to 504, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1312, and where b is greater than or equal to a + 14. | |
| 1313 | HKTAB46 | 876012 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 850 of SEQ ID NO:1313, b is an integer of 15 to 864, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1313, and where b is greater than or equal to a + 14. | AI768516, AI082809, AI804454, AW173368, AA905101, AI080483, N38942, N29489, AI500550, AA994475, AI001079, AA707368, AA593145, AA569473, AW386118, N63226, AA614464, N46512, AW272021, AI828244, AL133605 |
| 1314 | H2CBJ20 | 876013 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 855 of SEQ ID NO:1314, b is an integer of 15 to 869, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1314, and where b is greater than or equal to a + 14. | W02575, AA304931, D58283, D80188, D51423, D57483, D59859, D80043, D80166, D80253, D81030, D59619, D80210, D51799, D80240, C14331, D80212, D80022, D80195, D80219, D80391, D59275, D50979, D59787, D80227, D59502, D80366, D59889, C14389, D80164, D80196, D59927, D59610, D80269, D80024, D80038, D59467, D80193, D50995, AA305409, C15076, D80378, C14429, D80241, C75259, T03269, D80045, D51060, C14014, AW178893, AW178775, D80134, D51022, AW179328, AW177440, D51250, AA305578, D81026, AW378532, D80268, AW352158, D80522, F13647, D80949, D80248, D52291, D80251, AW369651, D59695, D58253, D51079, D80168, AW178762, D81111, AA514188, AW177501, AW352117, AW177511, C14227, Z21582, D80133, AA514186, D80064, C14298, AW360811, AI905856, C14407, AW378540, AW377671, AW375405, AW360844, AW377672, AW366296, D80132, AW360817, AW375406, AW177505, AW378534, AW352171, AW179332, |

AW179023, AW377676, AW178905, AW178754,
AW179024, D51097, AA285331, D80439, AW360834,
AW360841, AW352172, AI557751, AW179020, D80302,
AW352170, AW178909, AW177456, AW178906,
AW177731, D80247, AW178907, AW179019, AW179018,
AW178971, AW179017, AW179004, AW179329,
AW352174, AW179012, AW178980, AW177733,
AW378528, AW178908, AW179220, T11417, D51759,
D80157, AW179009, AW178914, AW378543, AW378525,
D51103, D80014, AW367967, AW178983, T03116,
AW352120, AW177728, AW178774, AW178781,
AW178911, AW352163, D58246, AW378539, T48593,
D58101, D59503, C06015, AI557774, D45260,
D59627, D80258, AA809122, D50981, H67854,
AI525917, T02974, AW378533, AW367950, AW178986,
AI525923, C03092, AI525235, H67866, AW177734,
D51213, C14957, D59474, AI525912, C14344,
AA514184, D59317, D51221, Z30160, AW179013,
D45273, C14973, AI525920, AI525227, AI535686,
AI525242, T03048, AW178759, C14046, D59551,
C16955, AI535961, H67858, AI525215, AW378542,
AI525925, Z33452, AI525237, A62298, AJ132110,
A84916, A62300, AR018138, AR008278, X67155,
Y17188, D26022, A25909, A67220, D89785, A78862,
D34614, D88547, AF058696, X82626, AB028859,
AR025207, Y12724, AB012117, A82595, X68127,
AR016808, A94995, A85396, AR066482, AB002449,
A44171, AR008443, AR060385, A85477, I19525,
A86792, U87250, X93549, I50126, I50132, I50128,
I50133, AR066488, AR016514, AR060138, A45456,
A26615, AR052274, Y09669, A43192, A43190,
AR038669, AR066487, AR066490, A30438, I18367,
D88507, I14842, AR054175, AF135125, AR008277,
AR008281, D50010, Y17187, A63261, AR008408,
AR062872, A70867, AR016691, AR016690, U46128,
AB033111, D13509, I79511, A64136, A68321,

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| | | | | AR060133, AR064240, U87247, AB023656, AF123263, X93535, AR008382 |
| 1315 | HWBDR92 | 876018 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1818 of SEQ ID NO:1315, b is an integer of 15 to 1832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1315, and where b is greater than or equal to a + 14. | AW024416, AW238938, AW361813, AI421202, AI434791, AI309982, AI769534, AI378930, AI393963, AI492647, AA953114, AI380180, AI769524, AI420285, AI805717, AI077552, AI678958, N26060, N40424, AI190662, AI613423, AA976041, AA581509, AA776498, AI268866, AI291641, AI289100, AA186514, AI208759, AA278467, AA665834, AI341899, AA315414, W07679, H23150, AI671697, AA315695, AI961637, AA989174, AI613432, AA235080, AI127470, AA603717, R80986, H09069, AI085843, AA993834, AA235209, AI160297, N80556, AA421270, AA187209, AI205566, AW277106, H59979, W39334, AA045407, T75129, AA503424, W52459, F10405, AA421317, AA723427, AW189559, W52458, AA045301, AA256210, AA503121, H09070, AI862840, AA921301, AI819232, AA303086, H81373, H23151, W15379, AI003129, H57853, H80453, AA587453, F12797, AA811971, AA379841, R80786, AA737085, AW029021, R38552, T48991, AA565741, AA503131, AA256353, F17470, AI424220, AI431521, T48990, AI381715, AL038986, R20931, AI424511, AW361749, AA835425, AI569722, AW337583, AA558437, AA373318, AW269615, D20475, AW016289, AW014562, AI795986, AI066579, AA057708, T25034, R54035, AA626100, AI801600, T84464, AA745560, AA745431, AA076616, AF151801, AL050215, AC004983, D89937, AC004967 |
| 1316 | HWMBI92 | 876019 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 642 of SEQ ID NO:1316, b is an integer of | |

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| | | | 15 to 656, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1316, and where b is greater than or equal to a + 14. | |
| 1317 | HWMFU50 | 876021 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2506 of SEQ ID NO:1317, b is an integer of 15 to 2520, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1317, and where b is greater than or equal to a + 14. | AI110856, AA143745, AI693023, AA151633, AA761698, AL121337, AI298472, AI018193, AW372477, AA491188, AW131073, AA505133, AA599482, AI143548, AA430400, AA151685, AA825984, AW366355, AI383751, AA613495, AA252073, AI076636, H81681, H66674, AA779949, AA885895, AA298085, AI383750, W05653, AA148124, AI074739, AI687281, H11552, AW451697, AI150645, AA041459, AI208735, H81680, AA620485, AA112748, AA976412, H00961, T31804, AA357205, AA041512, AA678631, R67964, N76147, AI468649, H11443, H00962, AI383531, Z45863, AA360936, F04726, AW074481, AA872316, AI024087, AA309629, R66877, AI702342, AA653426, AA732728, AA252105, AA490992, AA770121, N87414, AA356722, AW027385, AI434752, R58494, AI275780, AA090352, AI370532, AW390733, AA879149, AI923615, Z21234, Z21233, AF090915 |
| 1318 | HCQCM19 | 876022 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 568 of SEQ ID NO:1318, b is an integer of 15 to 582, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1318, and where b is greater than or equal to a + 14. | AA715374, Z25205, AI202201 |
| 1319 | HBWCF70 | 876023 | Preferably excluded from the | AI219865, AW294721, AA431535, AW451194, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1085 of SEQ ID NO:1319, b is an integer of 15 to 1099, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1319, and where b is greater than or equal to a + 14. | AA307304, AA917679, N72093, H19317, AA868722, AA313570, AW270831, AW242483, AA306705, AA584601, AA431211, M97501, X64838 |
| 1320 | HCRON30 | 876024 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 708 of SEQ ID NO:1320, b is an integer of 15 to 722, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1320, and where b is greater than or equal to a + 14. | |
| 1321 | HCNAK16 | 876025 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 241 of SEQ ID NO:1321, b is an integer of 15 to 255, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1321, and where b is greater than or equal to a + 14. | AA327228 |
| 1322 | HCQDG19 | 876026 | Preferably excluded from the | AI635818, AC007630 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 232 of SEQ ID NO:1322, b is an integer of 15 to 246, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1322, and where b is greater than or equal to a + 14. | |
| 1323 | HCQAD16 | 876027 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 325 of SEQ ID NO:1323, b is an integer of 15 to 339, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1323, and where b is greater than or equal to a + 14. | AA252134 |
| 1324 | HCQAS16 | 876028 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 352 of SEQ ID NO:1324, b is an integer of 15 to 366, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1324, and where b is greater than or equal to a + 14. | |
| 1325 | HGBBG01 | 876029 | Preferably excluded from the | AA297618, AA188451, F06972, F06481, X83107, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 417 of SEQ ID NO:1325, b is an integer of 15 to 431, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1325, and where b is greater than or equal to a + 14. | AF045459, AC003669, AF012104, U88091, U08341, AR042423, AR044115 |
| 1326 | HILBF13 | 876030 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 410 of SEQ ID NO:1326, b is an integer of 15 to 424, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1326, and where b is greater than or equal to a + 14. | AA313226, AA352231, AA729004, H63236, AI174489, AA493814, AA847341, AA502774, AI884404, R95751, AA832104, AA126969, AA368329, N21434, AI567676, AI002863, AA991640, AA602715, AA368659, AI003620, AA219166, AA659011, AA420424, AA749196, AA309287, AI124558, AA143703, H79323, AI802268, AA831913, AA730795, AA598579, AA832108, AI791227, AA365628, AA196994, AA598605, AA595508, AI732911, N27340, N53783, AA455202, AI734193, AA482682, AA525156, AA218874, AA598497, AA643768, AW083966, AA351893, AA668421, AA581317, N55076, AI376687, AW069273, AA825954, AA229370, AI538404, M77964, AA315052, AI049999, AP000553, Z68756, AB023049, AP000512, AL079342, AC005305, AF075069, AD000092, AL008731, AC007993, AL008628, AL035587, AC005089, AC008372, AL133163, AC005913, U95742, AC007537, AL031721, AC009516, AL035420, AC003071, AC000052, AL133246, AF053356, AC005722, AB003151, AC006930, AP000099, AC000025, AC007193, AC006273, AC005527, AB023051, AC004099, AP000688, AP000036, AC005747, AC006511, AC004150, U78027, AL034553, AC003047, AC004997, AC004475, AC005519, AL009181, AP000046, AP000114, |

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| | | | AL021393, AL049650, AC007687, AC005529, AC005406, AC003102, AC005585, X74984, AC005828, AC002369, AL022315, AC005907, U95739, AC004000, U91327, AF076450, AJ246003, AL035086, Z83826, AL109613, AL121655, D16583, AC005725, AL030995, AF196779, AC005535, AL020997, AL035400, AC004650, AL096712, U89337, AC008045, AP000344, AL117258, AC005099, AC007314, AC003098, AP000503, AL022326, AL020993, AC004668, AC004254, AC006581, AC005837, AC007277, AL021806, Z15025, AL049829, AC005932, AL049699, AL122023, AP000302, AL080243, AC005516, AD000833, AP000077, U91326, Z73417, AC002395, AL034379, AL132712, AC005859, Z95116, AF003528, AP000243, AL049643, AF134726, AP000098, AP000203, AC005412, AC002991, AL035445, AC005041, AC005971, AC004812, Z84474, AF217403, AC003046, AC005003, Z82198, AL008734, AC004531, AF205588, AC004756, AL034421, AC005776, AC004073, U93305, AC002310, U85195, Z98946, AF111169, AF196972, AL136168, U63721, AC005768, AC004678, AC005253, AC007001, AP000280, AC007207, AC005759, AL031708, AC002996, AC004131, AL031058, AL109801, AC005694, AC006121, L47234, AE000658, AC001551, AC006080, AC006057, AC004072, AL133321, AC004227, AC006006, AC007051, AP000555, AC007666, AC005755, AC005993, AP000107, AP000039, AC006950, AC004263, U51561, AC007390, AC005924, AC007014, AC007546, AC003109, U62317, Z98949, AB020867, AC004808, AC004465, AF129756, AC004682, AC004703 | |
| 1327 | HCQDI18 | 876034 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AA280322, AC006153 |

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| | | | the general formula of a-b, where a is any integer between 1 to 301 of SEQ ID NO:1327, b is an integer of 15 to 315, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1327, and where b is greater than or equal to a + 14. | |
| 1328 | HEMGF10 | 876039 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1853 of SEQ ID NO:1328, b is an integer of 15 to 1867, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1328, and where b is greater than or equal to a + 14. | AL045532, AI672339, AI916546, AI674054, AA922064, AW022969, AI539447, AI338659, AI038295, AI809635, AI569951, AI015944, AA236487, AA917051, W72067, AI522144, AW340476, AW001031, AI042560, AW272351, AW291220, AA496094, AI808121, AA453459, AA216783, N90068, W38469, AA002033, AA482997, AA234484, F12296, T66274, Z24870, W76350, F09922, T95502, AI128578, T66187, T95501, Z28614, AA453960, R16316, T58251, T88786, AI272000, AA001829, AI654859, AI624582, AI334322, T58298, AI376307, U85995, U85994, AF095771, U87408, AF095770, U85997, AC006195, AF095769 |
| 1329 | HCQDG10 | 876044 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 523 of SEQ ID NO:1329, b is an integer of 15 to 537, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1329, and where b is greater than or equal to a + 14. | AA425162, AA454628 |
| 1330 | H2CBS17 | 876045 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AA313483, AI092587, W07818, N79448, AA773593, R53234, R94785, R24805, H10024, AA229847, R94705, AA430523, AI435476, AW001866, AI565825, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1337 of SEQ ID NO:1330, b is an integer of 15 to 1351, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1330, and where b is greater than or equal to a + 14. | AA430608, N71537, AI760594, AI911011, AI732273, AI440283, AI131012, AA582791, AI038591, N52904, AI144119, AA643763, AI561115, N78511, AA011130, AI668849, AI676028, AI371354, AA009702, N73670, AW369840, R53598, AA584483, AL044698, R48261, W63583, AA493983, AA968449, AC005332, AC004876, AC005771, AC004616, AP000038, AC005184, AL139165, AC004098, J03764, AF019664, AC004874, AL033525, AC009498, AP000280, AC005704, AL035427, AP000107, AC005060, AC005922, AL035633, AC007628, AC005011, AL078638, AF042484, AC007676, AC008071, AC007198, AC000120, AP000140, Z93931, AL031655, AP000088, AL031123, AC006996, Z75957, AL034555, AC004055, AC006354, AP000269, AP000103, AF001548, AF049895, AL132987, AL022068, AB013139, AL034425, AC002546, AF069291, AC004929, AC007262, AC002115, AL020989, AL031055, AL021877, AC004703, AC004664, AL021977, AC002480, AL035691, AL035072, AC004100, AC006370, AC006013, AP000033, AC005562, AC007312, AL031737, AC005406, AC005919, Z96074, U95743 |
| 1331 | HETJT76 | 876048 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1217 of SEQ ID NO:1331, b is an integer of 15 to 1231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1331, and where b is greater than or equal to a + 14. | AI799695, AI343330, AI498160, AI885048, AW372347, AW372353, AI361693, AW372342, AI290222, AA833641, H23783, W73966, AI077502, AW242637, AA514487, AA975211, AI569053, W79847, AI869527, AA832078, N55405, AA126154, AA313196, AI560671, H49102, AW236097, AI742230, AA126132, H49333, AI732692, AW172617, AA199707, AI280378, W79860, W74521, AA279226, AI650312, AC005352, AL117338, AF088062 |
| 1332 | HMVBD68 | 876052 | Preferably excluded from the | AW083378, AA057509, AI679190, AA574451, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1266 of SEQ ID NO:1332, b is an integer of 15 to 1280, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1332, and where b is greater than or equal to a + 14. | AA599718, AA054285, AA706513, AI707934, AW023524, AA199863, R66161, AA862725, R84843, R85715, H86142, AL038837, H86028, AL039074, AL039564, AL039108, AL039156, AL039085, AL039659, AL039625, AL039648, AL039678, AL039150, AA059178, AL037051, AL036725, AL039629, H00069, AL039109, AL038531, AL039128, AL040992, AL045337, AL037726, AL042909, AL039423, AA013394, AL039410, AL134524, AL039538, AL044530, AL045353, AL036973, AL044407, AL038821, AL039386, AL036418, AL039924, AL037526, AL043441, AL043445, AL037082, AL036196, AL037639, AL039566, H39007, Z99396, AL043422, AL039509, T24119, AL038851, T24112, AL038025, AL045341, AL036767, AI535983, T23947, D51250, AL036117, AL045794, AW013814, AL043423, AL036924, AL037615, AW452756, AL036190, AW451070, AL036238, AL037085, AI142134, AL036679, AI535783, AL036733, T23659, AL038983, AL036858, AL134110, AL038447, AL037021, R47228, AL036998, AL045328, D80253, AL037727, AL037054, AL036191, AL036964, H00072, AL045327, AL047163, AL042898, AL036268, T02921, D59275, AL036765, AL037077, AA631969, AL039643, AL039432, AL119483, AL049018, T48598, D80219, AL038838, D59787, AL037343, AL037295, AL044125, AL037436, AA514190, AL037178, AL037335, AL037323, AW080777, AL119484, AL041347, AL037027, AW022897, AL038651, AI547295, AL036999, AW450376, AL038761, AL037443, AI348766, AL038532, Z25783, AL036719, AW103927, AL037094, T11051, AL042850, AA478355, AI700109, AL038822, AI267269, AL037435, AA548890, AA702729, AI334443, AL040193, AA191659, AA410788, AL119324, AA577824, AA630672, AA526787, AI056177, D29033, T28100, AA493975, |

AA579179, AI223604, AL040061, AL044162,
AL047012, AA483929, Z25782, AA834707, AW148507,
AA456578, AL046549, T07039, H66681, AI254913,
AL041238, AL043496, AL043923, X95073, AF118808,
D14548, AR066494, AR017907, Z96142, AR038286,
X68127, I92483, AR062871, I03665, I03664,
A15078, E00523, A67220, X73004, A95051, A58522,
AR036905, A92133, A97211, A58521, A02712,
A85477, A85396, AJ244003, AJ244004, AR062872,
AJ244005, I06859, AR062873, A18050, A84772,
A35536, A35537, A23334, A75888, I70384, I18371,
A20702, A60111, A23633, AR043601, AR025207,
AR007512, A18053, A84776, A84773, A84775,
A02135, A02136, A04663, A04664, A84774, A43189,
I66495, AR031374, A43188, AR067731, A38214,
A49700, AR031375, A20700, I66494, A64081,
AR008430, AR067732, A44171, I56772, I95540,
AR018924, I60241, I60242, A51047, A63064,
AR018923, A48774, A98767, A63072, A48775,
AR068507, I66498, I66497, I66496, AR068506,
I00074, I66486, I66487, I19516, A58524,
AR015960, A91750, AR064707, A93963, A93964,
AR000007, AR015961, I63120, A95052, AR020969,
A25909, AR043602, AR043603, A95117, A58523,
A23998, AF156296, AR037157, A11245, V00745,
A02710, E12615, AR035193, A86792, E13740,
AR054109, A07700, AR000006, A13392, A13393,
AR036903, D28584, U87250, AR027100, I03343,
I28266, AF156294, A82653, AR022240, Y11923,
A81878, I21869, I13349, A24783, A24782, E14304,
AJ230933, A70040, E16636, I19517, I01992,
A27396, D88984, A76773, A22413, I08051, Y11926,
A49045, A93016, E16678, I25027, I26929, I44515,
I26928, I26930, I26927, A58525, I25041, I68636,
E03165, E16590, I00077, S70644, I49890,
AF096810, AF156303, AR064706, I44516, AF019720,

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| | | | A60957, Y11449, A51384, X58217, AR038762, A92636, I84553, A91754, I84554, E02221, E01614, E13364, I00079, A60968, A18722, AF156304, D34614, A58526, A91753, AR023813, AB012117, A10361, AR035975, AR035977, AR035978, AR035974, AR035976, AF130655, AR066482, M32676, A60985, A60990, Z79475, A60987, Y17188, AC004935, X15418, S65373, AC004111, AJ238010, AC002431, AC004851, AC010722, AC006582, AC004797, AC005373, AP000512, AL121603, AL049430, AC005291, AC007191, U50871, AC004213, AL049631, AC002059, AC002480, U95739, AP000132, AP000210, U91318, AC005332, AL034395, AL031281, AC009784, AP001172, Z95116, E04616, AL035413, M21251, AC006999, AC006211, AC004466, AL080317, AC002395, AC005914, AC000026 |
| 1333 | HWLQD17 | 876056 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 114 of SEQ ID NO:1333, b is an integer of 15 to 128, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1333, and where b is greater than or equal to a + 14. | |
| 1334 | HCRME16 | 876057 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 424 of SEQ ID NO:1334, b is an integer of 15 to 438, where both a and b | AA826803 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1334, and where b is greater than or equal to a + 14. | |
| 1335 | HCQCI16 | 876059 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 336 of SEQ ID NO:1335, b is an integer of 15 to 350, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1335, and where b is greater than or equal to a + 14. | |
| 1336 | HKLAB15 | 876062 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 476 of SEQ ID NO:1336, b is an integer of 15 to 490, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1336, and where b is greater than or equal to a + 14. | T70859, AI991425, T96900, AL137658, AC005343 |
| 1337 | HCYBH57 | 876065 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 734 of SEQ ID NO:1337, b is an integer of 15 to 748, where both a and b | AA306889, AA305320, AA508639, N49791, H90350, AW016011, AW377205 |

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| 1338 | HCQDM08 | 876070 | correspond to the positions of nucleotide residues shown in SEQ ID NO:1337, and where b is greater than or equal to a + 14. | |
| | | | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 98 of SEQ ID NO:1338, b is an integer of 15 to 112, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1338, and where b is greater than or equal to a + 14. | AW384125, AA496504, AI610340, AA248671, AA130789, AA180915, AA478370, AI733781, Z98485, AI796704, AL044742, AL048069, AA626025, AL048572, AL047765, AL039283, AI557485, AL048501, AI546967, AI546957, AA516161, AI924321, AA887171, AI132973, AA420684, AI133122, AA654779, AA654118, AA194612, AA532618, AI132978, AI133640, AI114783, AI064749, AI064986, AI133242, AI065142, AI133340, AI114709, AI110634, AI065125, AI065095, AI133581, AI133663, AI110590, AI133479, AI065101, AI114457, AI133604, AI207634, AI525970, AI133582, AI114582, AI174912, AI114665, AI133512, AA081070, AA578984, AI557069, C17847, AI174878, C18490, AI133723, AI133615, AI133526, AA089877, AI525469, AA225945, AI114594, AI557701, AA112129, AA213849, AA410915, AA195856, AA182920, AA165635, AI208489, AA662114, AA244064, AA088806, AA228826, AA652493, AA622823, AI979027, AL049144, AA225205, AI244851, AI827423, AA132431, AA410765, AA176509, AA089690, AA828070, AA640731, AA641599, AI749067, AA569303, AA502464, AW385506, AA663702, AA229378, AA876457, AA467990, AA084304, AA229146, AA837558, AW371147, C18623, AA858353, AA188095, AA641178, AA293576, AA082601, AW375786, AA468053, AA092886, AA427549, AA129770, AA480482, AA658436, AA502853, AA394267, AA640898, AI132974, AA193149, AA091406, AI749996, AA095793, AA226058, AI535866, AI940772, |

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| | | | | AA527220, AA194743, AA399036, AA091372, AA192775, AA089626, AI525481, AI524836, C14151, H41888, Z56605, X76676, AR028448, X62996, D38112, V00662, J01415, X93334, Z59182, D38114, D38113, X93335, D38116, Z58833 |
| 1339 | HSSEA17 | 876078 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 608 of SEQ ID NO:1339, b is an integer of 15 to 622, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1339, and where b is greater than or equal to a + 14. | Z56928, Z56929, Z64722, Z54751 |
| 1340 | HCQDG14 | 876079 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 610 of SEQ ID NO:1340, b is an integer of 15 to 624, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1340, and where b is greater than or equal to a + 14. | AW235671, AI740682, AA770521, AA428282, AI522043, AI276457, AI984187, AI382430, D79844, D62692, AA741145 |
| 1341 | HCQAQ14 | 876081 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 948 of SEQ ID NO:1341, b is an integer of | N52898, N40697, AI221215, AI961502, N27935, AI538394, AW366714, AA557734, AI916398 |

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| | | | 15 to 962, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1341, and where b is greater than or equal to a + 14. | |
| 1342 | HCQBN16 | 876082 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 248 of SEQ ID NO:1342, b is an integer of 15 to 262, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1342, and where b is greater than or equal to a + 14. | |
| 1343 | HWLQE13 | 876086 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 819 of SEQ ID NO:1343, b is an integer of 15 to 833, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1343, and where b is greater than or equal to a + 14. | AA284114, AA878237, AI440478, AI183980, AI830413, AI693370, AW167651, AI284239, AI087052, AA025164, AI075952, AI276058, AA781007, AI333050, N69861, N99037, W47304, AA626017, W47171, AI672591, AA885176, AA644449, AI222118, AI080182, AA055097, AI350932, AA526741, AA524562, AA719566, AA055070, AA397901, AA890555 |
| 1344 | HWMBS01 | 876088 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 432 of SEQ ID NO:1344, b is an integer of | AI023441, AI242040, AA847082, T50456, AA331171, AA650226 |

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| | | | 15 to 446, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1344, and where b is greater than or equal to a + 14. | |
| 1345 | HKLAA70 | 876089 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 352 of SEQ ID NO:1345, b is an integer of 15 to 366, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1345, and where b is greater than or equal to a + 14. | AA259061, Z56085 |
| 1346 | HWLCK07 | 876090 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 412 of SEQ ID NO:1346, b is an integer of 15 to 426, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1346, and where b is greater than or equal to a + 14. | AW083180, AI817883, AW138123, AI832211, AF009961, AF127026, AF105424 |
| 1347 | HISAV29 | 876091 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:1347, b is an integer of | R98881, Z93242, AF160728 |

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| | | a | 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1347, and where b is greater than or equal to a + 14. | |
| 1348 | HWLXE78 | 876093 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 568 of SEQ ID NO:1348, b is an integer of 15 to 582, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1348, and where b is greater than or equal to a + 14. | AA196426, AI796138, AA308423, AI818489 |
| 1349 | HSLHI12 | 876094 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 265 of SEQ ID NO:1349, b is an integer of 15 to 279, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1349, and where b is greater than or equal to a + 14. | |
| 1350 | HCQCX03 | 876095 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 513 of SEQ ID NO:1350, b is an integer of | W89052, AL133355 |

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| | | | 15 to 527, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1350, and where b is greater than or equal to a + 14. | |
| 1351 | HCQCR12 | 876097 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 622 of SEQ ID NO:1351, b is an integer of 15 to 636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1351, and where b is greater than or equal to a + 14. | D80188, C14389, D59275, D50979, D80043, D58283, D80391, D59787, D80196, D80227, D80522, D51022, D59859, D80022, C14331, D80166, D80195, D50995, D59467, D51423, D59619, D80210, D51799, D80164, D80240, D80253, D59502, D59927, AA305409, D80269, D81030, D80247, D81026, D80248, D80212, D80366, D80219, AA305578, C15076, D57483, D80038, D59610, C14014, D51060, D59889, D80439, D80193, D80133, D80045, D80024, D80268, AW360811, D80378, AA514186, AA514188, AW177440, D80302, D80251, D80241, T03269, C14429, AW178893, AW377671, AW375405, D51103, AW177731, D80157, AW178983, AW178906, D51759, AW366296, AW179328, AW360844, AW360817, AW179020, C75259, AW375406, T48593, AW378534, AW179332, AW377672, AW179023, AW178905, AW378532, AW178908, AW177501, AW177511, C05695, D59373, AW179024, AW352171, AW179004, AW377676, AW378528, AW352170, AW178907, D80132, AW178762, AW179019, AW360834, C06015, AW177505, D80134, AW176467, D51250, AW360841, D58253, AW367967, AW178775, AW369651, D59653, AW178909, AW177456, AW179329, AW179009, AW178980, AW178914, AW178911, AW177733, AW178754, AW179018, AW352158, D51079, AA809122, D80014, AW352117, D45260, AW367950, AW178774, AW352120, F13647, AW378525, AW179012, H67854, AW177722, AW352163, T11417, C03092, D52291, H67866, AW378543, D59627, AW177728, D80168, D81111, AW177723, AW378540, D51213, AI525923, AI910186, AW178986, C14227, C14973, AW178781, AI905856, C14298, AI535850, T03116, |

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| | | | | AI525917, D59317, D58246, D59474, C14407, D80258, AA514184, D59503, D60010, AW378533, D80064, C14344, D51221, C14957, T03048, AW177508, AW177734, AI525920, AI557774, AI525227, AI535686, AW177497, D58101, D59551, C14046, D60214, AI525912, AI525235, AI525237, C16955, AI525215, AI525242, AW378542, AI557751, AA285331, AI525925, AW378539, D45273, C05763, Z33452, T02974, AI525222, Z21582, D51097, AW360855, H67858, C04682, D31458, T02868, D51053, AW179011, AI525928, AI535961, Z30160, C13958, D80314, AI525228, AL033517, AR008278, AB028859, AJ132110, A84916, A62300, A62298, AR018138, AF058696, A82595, AB002449, AR060385, X67155, Y17188, A94995, D26022, Y12724, A25909, I50126, I50132, I50128, I50133, A67220, D89785, A78862, D34614, AR016514, AR066488, A26615, AR052274, AR008443, AR060138, A45456, D88547, A43192, A43190, AR038669, Y09669, X82626, AR066487, AR016808, A30438, D50010, AR054175, I14842, Y17187, AR025207, AR008408, A63261, X64588, AR066490, AR008277, AR008281, AR062872, A70867, I18367, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, X68127, AB012117, AF123263, X72378, AR032065, AR008382 |
| 1352 | HPJBW76 | 876098 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 540 of SEQ ID NO:1352, b is an integer of 15 to 554, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | N50949, AA329541, AL120708, AI922673, D63195, H05929, AI679480, AA808536, F03253, T80197, AA125781, AC010169, AC002300, AC004526, AC003010, AC005183, AC007993, AC005258, AC005057, AC002425, AC004878, AP000501, AC005871, AL133163, AC005844, AC005363, AC008149, H82274, AA665465 |

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| | | | NO:1352, and where b is greater than or equal to a + 14. | |
| 1353 | HCQCD81 | 876101 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 669 of SEQ ID NO:1353, b is an integer of 15 to 683, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1353, and where b is greater than or equal to a + 14. | AA019633, AI290219, AA020897, AI278259, R37194, AA021465, AA018170, AA018313, AA019821, T05511, AI335614 |
| 1354 | HCYBF60 | 876104 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 420 of SEQ ID NO:1354, b is an integer of 15 to 434, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1354, and where b is greater than or equal to a + 14. | R92525, AA205785, AA173507, AW239243, AA305229, AA305174 |
| 1355 | HCQCD09 | 876105 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 419 of SEQ ID NO:1355, b is an integer of 15 to 433, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AA594230 |

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| | | | NO:1355, and where b is greater than or equal to a + 14. | |
| 1356 | HWLVY67 | 876107 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 618 of SEQ ID NO:1356, b is an integer of 15 to 632, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1356, and where b is greater than or equal to a + 14. | AI088192, AI992372, AI992373, AA768994 |
| 1357 | HMAKC34 | 876108 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 954 of SEQ ID NO:1357, b is an integer of 15 to 968, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1357, and where b is greater than or equal to a + 14. | AA706348, AI742004, AA612742, AA418899, AA622550, AI688045, W04608, AA639641, N73891, AI306136, C75175, N54079, AA037389, U40583, X70297, AF036903, AF037646, AR055255, U62436, Z23141, L25827, AF087689, Y08420, X93604, AJ245976 |
| 1358 | HNGBJ13 | 876109 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 704 of SEQ ID NO:1358, b is an integer of 15 to 718, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | |

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| | | | NO:1358, and where b is greater than or equal to a + 14. | |
| 1359 | HCFCP28 | 876117 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1614 of SEQ ID NO:1359, b is an integer of 15 to 1628, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1359, and where b is greater than or equal to a + 14. | W38691, AW170228, AW204712, AI342478, AA214559, AI301837, AI038938, AA041552, AA975363, AW207768, AI280415, AW241161, AI698575, AA213418, AI192391, AL042921, AL042806 |
| 1360 | HCROH40 | 876118 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1283 of SEQ ID NO:1360, b is an integer of 15 to 1297, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1360, and where b is greater than or equal to a + 14. | AW340002, AW263252, AI302813, AA806234, AW337920, AI800828, AI685453, AA582942, AW150706, AI566501, AI802925, AI022951, N32077, AA743819, AI160053, AI336188, AA643850, AI091958, AW081284, AA512938, AI687081, AW051587, AA884985, AI738521, AA812286, AI185199, AI761431, AA403009, AA047094, AW130755, AI554205, W60982, AW069431, AA143405, AI086947, AI952635, AA862513, AW025157, AI674916, AI911657, AA457705, AW418700, AW009464, AI684131, AI811699, AI613185, AA043722, AA101008, AI812095, AA143404, AI695151, AA662383, W52268, AA034911, AI445209, AA410666, AI306627, AA152449, AI446572, AI760791, AI093619, AI955408, AI344379, AI739460, AI824906, AW002682, N29782, W52269, AA622005, AA586560, AI798484, W47540, W47587, AI795838, AA861143, AA524329, AA047184, AA506568, AW198106, AA936419, AW021602, AA506574, W45220, T49532, AI357909, AW168465, N25070, AA152448, AA907471, AA301628, AA641358, AA515290, W39753, N45391, H80074, AA431547, |

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| | | | | AI934135, AA927158, AA587966, AA372266, N25911, AA535141, AI918662, AW021800, AA613551, AA913677, F35471, AA102493, AI795855, AI718365, AA613011, AA480815, AA903677, AI872650, T49531, H80073, AA973783, AW375945, AA505724, AA514710, AI927674, AI475421, N57203, F24647, AA356940, AI936211, AA043424, AW367127, AA034978, AA593644, AI472573, AW374518, T10460, AA587154, AA431094, AI810621, AA918275, AI336721, AI709355, AI313344, AW004782, AA062797, AA632243, AW059882, N34155, AI557285, Y14551, AP000512, AB023051, AC006165, S81914, AF071596, AF039067, X96438, AF083421, AJ227914, Y16736 |
| 1361 | HKAAK32 | 876121 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2690 of SEQ ID NO:1361, b is an integer of 15 to 2704, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1361, and where b is greater than or equal to a + 14. | AA576961, AI795908, AL120038, AW071648, AI923078, AI650566, N27861, AA020770, AI693672, AI828327, AW408804, AI423373, AW275975, AI656898, AA307019, AL121002, AI359865, AA088194, N73008, AI926866, AI079417, N35619, AI955093, AA258396, AI589460, AA856996, N21585, AI679493, AI824968, AI813785, N40634, AA857168, AI203273, AI079737, AW382798, AA332511, AA806210, AI913138, AI675042, AI868760, AA641278, AI371462, AA995175, H92531, AA113084, R66601, D79238, AW151392, D12298, D56582, AA380178, AW391828, AI352031, Z21892, AI940086, Z50194, U92983, U44088 |
| 1362 | HCQDQ31 | 876123 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 896 of SEQ ID NO:1362, b is an integer of 15 to 910, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | W07169, AA838748, AI985511, N78574, AI200281, AI658709, AW016259 |

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| | | | NO:1362, and where b is greater than or equal to a + 14. | |
| 1363 | HHEEN22 | 876126 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1809 of SEQ ID NO:1363, b is an integer of 15 to 1823, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1363, and where b is greater than or equal to a + 14. | AI361002, AI969720, AI805386, C06251, AI304680, AI885442, AI869317, AI306681, AI634959, AA653629, AI336898, AW192256, AW236693, AI870517, H10595, R52073, R73296, AI798507, AA464725, AI927008, M78003, AA479858, AA463941, R74154, AI582506, AA987791, AI094500, AA477492, AA464077, AA340304, AA781562, AA433963, R45811, AI361797, AI805569, AI685621, AI669742, N58164, F33325, AI889215, AA297873, AI304641, AL045494, AL042523, AL045327, AL135012, AL134110, AL134524, AL042420, AL042468, AL045328, AL042519, AL042741, AL042655, U46344, AL047163, AL045891, AL045326, AL042898, AL043089, AL043321, AL046356, AL042488, A85203, AR066494, AL122101, AL133053, AL133074, AL133049 |
| 1364 | HRABR73 | 876127 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 423 of SEQ ID NO:1364, b is an integer of 15 to 437, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1364, and where b is greater than or equal to a + 14. | AL039087, AL037259, AL041296, AL041098, AL043440, AL040464, AL041358, AL041324, AL041096, AL047012, AL043538, AL044162, AL045725, AL040576, AL041197, AL043612, AL039915, AL040553, AL041131, AL039432, AL047219, AL047057, AL047170, AL040119, AL047036, AL041292, AL041051, AL047183, AL040322, AL046330, AL041238, AL040529, AL041142, AL045817, AL040625, AL040510, AL043467, AL044186, AL040253, AL044037, AL040091, AL040128, AL040168, AL040255, AL040285, AL040342, AL040332, AL040617, AL045684, AL040745, AL049069, AL041346, AL043677, AL046442, AL045857, AL040839, AL041752, AL038822, AL043775, AL044165, AL041133, AL043492, AL041602, AL045920, AL038838, AL045753, AL041227, AL044074, AL043537, AL041635, AL045990, AL040458, AL044199, AL044187, AL046150, AL040090, |

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| AL040263, AL040294, AL040329, AL044274, | | | | |
| AL040082, AL044272, AL040148, AL040472, | | | | |
| AL041730, AL041523, AL043627, AL049018, | | | | |
| AL046392, AL040463, AL041374, AL040052, | | | | |
| AL043845, AL042135, AL044064, AL038983, | | | | |
| AL039316, AL043923, AL043814, AL045671, | | | | |
| AL043848, AL041459, AL043570, AL041577, | | | | |
| AL044201, AL044258, AL046850, AL046147, | | | | |
| AL038532, AL040768, AL037727, AL041140, | | | | |
| AL046327, AL046994, AL042712, AL040414, | | | | |
| AL040571, AL046097, AL043496, AL046914, | | | | |
| AI142134, AL040621, AL041186, AL039744, | | | | |
| AL041086, AL042096, AL040444, AL080031, | | | | |
| AL041955, AL041168, AL041159, AL041233, | | | | |
| AL041246, AL079878, AL041277, AL041163, | | | | |
| AL040193, AL040370, AL041278, AL037436, | | | | |
| AL045994, AL040155, AL045784, AL040149, | | | | |
| AL039360, AL037435, AL038761, AL045989, | | | | |
| AL040075, AL039338, AL037443, AL079852, | | | | |
| AL037335, AL046099, AL037295, AL047131, | | | | |
| AL040238, AL037341, AI546855, T23985, Z30131, | | | | |
| AI547039, AL045211, AL045340, AI546899, | | | | |
| AI541509, AA585439, AL041347, AL043444, T23957, | | | | |
| AI541510, AI541317, AI525306, T23888, AI541365, | | | | |
| AI540967, AI525556, AI547006, AI541514, | | | | |
| AI525431, AI541374, AI541534, AI535639, | | | | |
| AI546999, AA585453, AI525321, AI557787, | | | | |
| AI526194, AI541506, AI535813, AI546891, | | | | |
| AI541017, T24112, T02921, T24119, AL039156, | | | | |
| AL044530, AL036630, AL039504, AW451416, | | | | |
| AW013814, AL039555, AL039509, AL039564, | | | | |
| AL039538, AL038043, AL039108, AL039678, | | | | |
| AL039566, AL039074, AL038837, AL039521, | | | | |
| AL039625, AL039648, AL039659, AL039629, | | | | |
| AL045794, AL039476, AL043586, AL037726, | | | | |
| AL038531, AL039109, AL040992, AL039924, | | | | |

AL039128, AL044407, AL036973, AL042909,
AL045341, AL045337, AL044412, AL037051,
AL045353, AL039386, AL039423, AL039410,
AL044364, AR067731, AR067732, AR051651, I25027,
I26929, I44515, I26928, I26930, I26927, A29109,
A32111, I44516, AR027100, A49045, AR009152,
AR009151, AR067734, A83151, AR068508, AR068510,
AR068509, I58322, I58323, I85513, AR054109,
Z96177, AR068550, A23373, AR068551, X85060,
E01324, I08638, A70359, AR016495, A95117,
A93936, A94048, A94061, A94046, A94054, I07209,
I07249, AR067733, AR029418, A63954, I09267,
I09270, I09268, I09269, A49701, I09252, I09251,
AR029417, AR035224, I58669, AR038066, AR027099,
A27169, A27170, A39929, AR038307, AR038321,
AR051652, AR038306, AR038320, I91969, A83642,
A83643, X89399, I25041, AR018924, A48774,
A48775, A38214, A44171, I56772, I95540, A63067,
E01239, E01561, A51047, A63064, A63072,
AR068507, AR068506, AR064436, AR000006,
AR015960, AR000007, AR015961, A92081, AR027319,
A91752, A91751, AR027318, A92080, A92077,
A92078, A92079, AR031374, A49700, AR031375,
A58521, AR020969, E01619, I06159, A93445,
AR003585, A06633, A60212, A60209, A60210,
A60211, A32110, A83180, A60206, A93446, A91754,
A64973, A84772, A84776, A84773, A84775, A84774,
AR037157, A86792, A58522, A68112, A68104,
A91750, A11245, A20702, AR062871, A43189,
A43188, A20700, A98420, A98423, A98432, A98436,
A98417, A98427, I66495, I66494, I66498, I66497,
I66496, I66487, I66486, X83865, A85395, A85476,
AJ244004, I15353, E12566, E12564, E12565,
A98767, A93963, A93964, E14304, AR062872,
A81878, AR062873, A25909, AF082186, AJ244003,
A58524, E16678, A58523, D78345, AR038762,

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| | | | | E03627, Y16359, AR055048, AR055051, AR055049, I66488, I66489, I66490, I66491, I66492, I66493, A91965, I66481, I66482, I66485, I66483, I66484, AR012640, I15718, I15717, A92133, I08395, M28262, I08396, A70040, A93016, I00682, A20699, A11623, E00609, A11624, I18302, E00696, E00697, E13740, A11178, E01007, I13349, E03813, A10361, AR035975, AR035977, I48927, I60241, I60242, I03331, A02712, A02710, E12615, AR035193, A77094, A77095, A07700, A13392, A13393, I62368, AR031488, I13521, I52048, A27396, I63120, AR017907, AR043601, A95051, A18053, I49890, I44531, I28266, A18050, A23334, A75888, I70384, A60111, A23633, I21869, AR007512, A24783 |
| 1365 | HWMBX68 | 876137 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1365, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1365, and where b is greater than or equal to a + 14. | |
| 1366 | HE8OF49 | 876139 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2141 of SEQ ID NO:1366, b is an integer of 15 to 2155, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AI809519, AI733273, AI700619, AW444492, AI701407, AI268747, AW023153, AA933010, AI216153, AW450105, AI268633, AI793298, F03428, H09383, H09323, Z44285, AW297395, F04852 |

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| | | | NO:1366, and where b is greater than or equal to a + 14. | |
| 1367 | HWLHY12 | 876140 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1710 of SEQ ID NO:1367, b is an integer of 15 to 1724, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1367, and where b is greater than or equal to a + 14. | AW394038, AW157294, AW394036, AW163057, AA306435, AW362974, AW157089, AW362965, AI878985, AW162479, AA146857, AW362967, AA311937, AW362962, AA306611, AI879487, AW362949, AA774684, AA813993, AW362950, AW403413, AW362951, AW407973, H59390, AW362956, AA310305, AA360185, AA332342, AA120901, D81998, W21240, R18124, AA312498, AA971457, AI223218, AA377328, AA300637, AW163350, AA248513, AA377822, AW366952, AI690275, N91094, AL021808 |
| 1368 | HCQBL07 | 876141 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 359 of SEQ ID NO:1368, b is an integer of 15 to 373, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1368, and where b is greater than or equal to a + 14. | AA668479 |
| 1369 | H2LAJ32 | 876142 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 807 of SEQ ID NO:1369, b is an integer of 15 to 821, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AA313981, AA513970, D80022, D59787, D59927, D59502, D50995, D80391, D81030, D80188, D80166, D58283, D80212, D80196, D59619, D80210, D80240, D59859, D80195, D80193, D51423, D51799, C14389, D59275, D80253, D80043, D80227, D80219, D80164, D57483, D80269, D80366, D80038, D50979, D59889, C14331, T03269, C15076, D59610, D80378, D80024, D59467, D80045, C14429, AW178893, D80241, AA305409, D51060, C75259, C14014, D51250, D80134, AW179328, AW178775, AW352158, AW378532, |

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| | NO:1369, and where b is greater than or equal to a + 14. | AW177440, D81026, F13647, D51022, AW369651, D80268, D80522, AA305578, Z21582, AW178762, D80168, D80949, C14227, D58253, AI910186, AI905856, D80251, AW177501, AW177511, D81111, D80248, AW360811, AA514188, AW378540, AW352117, D80064, AW176467, AW375405, D80133, AA285331, AW377671, AA514186, C14298, D51097, AW366296, AW360844, AW360817, AW375406, C14407, AW378534, AW360834, AW179332, AW377672, AW179023, AW178905, C05695, AW179024, AW178906, AW179020, AW352170, AW177456, AW352171, D80132, AW377676, AW177731, AW179220, AW178907, AW178754, AW179019, AW177505, AW360841, AW178909, AW179004, AW179329, AW179012, AW178980, AW177733, AW378528, AW179007, AW178908, AW179018, AW178971, AW177714, D80439, D80302, AI557751, D80247, AW352174, AW178914, AW378525, AW177722, AW367967, AW178983, AW177728, AW352120, AW179009, AW178774, AW178781, AW178911, AW378543, AW352163, D51103, T11417, D80157, D80014, T48593, D51759, T03116, D59627, AW177723, D59503, D58246, D80258, AI557774, C06015, AW378539, D58101, AW378533, AW367950, AW178986, D59653, AW177508, AI535850, T02974, D45260, C03092, AW177497, C14975, D51213, AW177734, H67854, H67866, AA809122, AI525923, D59474, AI525917, D59317, C14973, D45273, C14344, D51221, AW179013, AW178759, D59551, AI525920, D60010, AA514184, AI535686, AW378542, T03048, AA033512, D60214, AI525227, C14046, C04682, AW360855, AI525235, C05763, AI525925, AW378520, AI525242, AI525912, AI525215, AI535961, C16955, AC007695, A84916, A62300, A62298, AJ132110, D26022, A25909, Y17188, X67155, AR018138, A67220, D89785, A78862, D34614, D88547, X82626, AF058696, AR025207, |
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| | | | | AR008278, AB028859, Y12724, AB010386, AB012117, X68127, A85396, AR066482, A44171, A85477, A94995, I19525, A86792, U87250, AB002449, X93549, A82595, AR008443, AR060385, I50133, I50126, I50132, I50128, AR066488, AR060138, AR016514, A45456, A26615, AR052274, A43192, A43190, AR038669, Y09669, AR066490, AR066487, AF135125, I18367, A30438, Y17187, D88507, D50010, A63261, I14842, AR008408, AR054175, AR062872, A70867, AB033111, AR016691, AR016690, U46128, A64136, A68321, AR008277, AR008281, D13509, AR064240, AR060133, X64588, U87247, I79511, AB023656, U79457, AF123263, AR032065, AJ000347, X93535, AR008382 |
| 1370 | HSIAD07 | 876146 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of SEQ ID NO:1370, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1370, and where b is greater than or equal to a + 14. | AA376851, AF067844 |
| 1371 | HWLNZ56 | 876151 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 639 of SEQ ID NO:1371, b is an integer of 15 to 653, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AI636631, AA309020, AI744144, AW009754, AI700328, AI673552, T55187, T16814, R87983, AA514537, AW014851, R89617, AI202634, AA652368, AI695471, T04994, D50992, T18597, AI535639, Z32887, D59751, AI525556, AI535660, Z33559, AI557084, AI557262, AI536138, AI525500, AI557864, AI541205, AI557082, AI557533, AI526078, AI540903, C14228, AI525316, H65400, AI525302, AI525757, N71206, AI557317, AI541356, AI557312, AI525852, AI541075, AI557809, |

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| | | | NO:1371, and where b is greater than or equal to a + 14. | AI557731, AI541365, AI525661, R29657, AI541353, AI525856, AI541321, AI557155, AI557238, AI525666, AI541450, AI541034, AI557258, AI557474, AI547196, AI525568, AI557602, AI540974, AI557041, AI535828, AI536150, AI535813, AI546829, D30843, AI557039, AI557154, AI525656, AI547177, AI557543, AF117946, A62300, A62298, AR050070, A82595, A82593, U94592, Z30183, AF006072, U41654, AR025466 |
| 1372 | HLQBA23 | 876152 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 893 of SEQ ID NO:1372, b is an integer of 15 to 907, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1372, and where b is greater than or equal to a + 14. | AA777628, AW085142, AA748330, AA811973, R89234, AA730279, R89233 |
| 1373 | HDPQV66 | 876153 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3022 of SEQ ID NO:1373, b is an integer of 15 to 3036, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1373, and where b is greater than or equal to a + 14. | AW188509, AA133311, AA748711, AW006796, AA808751, AI636357, AI126533, AI125369, AI298453, AW166241, AA830092, AA033555, AI765118, AI096536, AI362676, AW303885, AI810267, AI304494, AW369295, AW369278, AI278826, C06204, AI298997, AA934415, AI803059, W45399, AA911937, AI285295, AW369353, H20014, AA846303, AA620334, AI380981, AA046599, H20084, AA856630, H41028, W32278, AA259115, AA348014, W57679, H41029, AI862059, AA436105, AW378921, H23401, W40332, AW370532, AI283494, H23290, AA838806, AA348015, R22761, AI702112, AA737279, AA736690, R22707, AA731236, R22706, R43410, AA133178, R43411, N49145, R23256, AA932492, AW002378, R23332, AA046727, AA976863, AA248262, |

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| 1374 | HODEJ02 | 876155 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2638 of SEQ ID NO:1374, b is an integer of 15 to 2652, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1374, and where b is greater than or equal to a + 14. | AW151330, N54032, AI784141, AA604954<br>AI936171, AI660616, AA723024, AA190582,<br>AA702472, AA947752, AI814600, AA075189,<br>AW020121, AW294648, AA757206, AI125830,<br>AI696932, AI921488, W15540, AA167043, AA305635,<br>AA830086, AI658993, AI436142, AA962072,<br>AA284969, AA425011, AA250752, AA828460, D56246,<br>AI741195, AA251400, AA829606, AI032702,<br>AW079530, N49067, AA749129, AA279652, AA495947,<br>AI026876, W31634, AI282893, AW079538, AA459370,<br>AI074276, H89116, AA502299, D56326, AA284995,<br>W32623, AA904260, AI001813, H89222, D56456,<br>AW242319, AA250829, AI040832, AA837963,<br>AW295502, AA442409, AA253372, AA279862, W03753,<br>AW452047, AI289978, AA327787, AA634468,<br>AA298940, AA459595, AA991736, AI090474,<br>AA603227, AA730869, AI191872, D61332, AA634018,<br>N86750, N79236, AI280656, AA211438, AA908725,<br>AI695184, D62649, AA358933, N75598, AA811697,<br>AI094362, F35399, N50196, AA075188, AW205837,<br>AA773229, AF100156, AW364866, AC003042 |
| 1375 | HWMBZ31 | 876156 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 313 of SEQ ID NO:1375, b is an integer of 15 to 327, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1375, and where b is greater than or equal to a + 14. | AW360816 |
| 1376 | HLTCX04 | 876166 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AA485808, AA505129, AI149019, AI970131,<br>AI829798, AA346059, AA367024, AA371138, W39118,<br>AA491324, AI817772, AA300274, AW194921, |

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| | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1239 of SEQ ID NO:1376, b is an integer of 15 to 1253, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1376, and where b is greater than or equal to a + 14. | AW166155, AI652296, AA824496, AI301046, AI249946, AL040694, AI241223, AI915295, AI250646, AA088789, AI471429, AW021717, AL036509, AL039011, AI500061, AI702527, AW059828, AW196720, AW163834, AA928539, AI538885, AL036705, AI969655, AI223980, AI434731, R53741, AI524654, AI401697, AA837391, AI799313, AI687568, AI623941, AI752007, AI580027, AI333104, AI274759, AL079740, AI345415, AL046849, AI682958, AA057840, AI374827, AI250353, AI586931, AI432644, AI805688, AI583578, AW088560, AA805708, AI565172, AI440238, AI658566, AI491842, AW151979, AI702540, AW172723, AI784214, AW263569, AI345688, AW055252, AI699020, AW021662, AW118508, AI590830, AW051088, AW022636, AW195253, AI887163, AI702343, AA587590, AA575874, AI801325, AI242248, AW162189, AI345010, AI344785, AI343325, AW151451, AI309306, AA259207, AI964011, AI802826, F36855, AI890887, AI345553, AI355779, AA827691, AI923989, AI289791, AI349967, AW083573, AW020381, AI280607, AI927233, AA761557, AW403717, AI308032, N75771, AI581033, AI452857, AI584118, N81195, AI627714, AI699823, AI590755, AI539260, AI860027, F34030, AI915291, AI499986, AW082532, AI348897, AI114703, AI125109, AI811192, AI688854, AI345745, AA830396, AL119791, AL047675, AL036548, AI285439, AI270039, AI688848, AI537516, AI926593, AI690813, AW194014, AI005511, AI859644, AW104141, AI784233, AI633125, AI469516, AW020046, AI698391, N63128, AI815232, AI612885, AL036265, AI817523, H89138, AI500523, AW088605, AI648699, AI241741, AI582871, AA225339, AI582932, AA514684, AI623797, |

AI619820, AA580663, AI491710, AI623363,
AI783569, N99092, AI539632, R65859, AI889189,
N71180, AI361701, AI491904, AI435253, AA641818,
AI866573, AI343091, AI310575, AI345417,
AW161098, AI161279, AI302590, AI335363,
AI366984, AI583032, AI538850, AI963058,
AW078729, AL047100, AL037602, AI433611,
AW025279, AI590043, AI305157, AW089293,
AI815855, AI299903, AI340533, R20540, AI349957,
AW020592, AI288335, AI685211, AW161202,
AI096771, W74529, AA493923, AI345471, AA767039,
R10067, AL037582, AI559863, AI345005, AI918554,
AW022494, AW079768, AI680504, AW191003,
AW020288, AW009306, W45039, AL048499, AA768369,
AI360195, AI630252, AA555145, AW020095,
AI569616, AL135024, AW089572, AW084097,
AI671642, AA279795, AI800341, AI890907,
AI225000, AI357599, AI621341, AC006512, E01573,
E02319, AF091512, AF067790, S61953, I48978,
AL137640, AJ238278, AF002672, I89947, AR038854,
A08913, I03321, AL117432, AL137258, AL133557,
A08912, A08911, AF026816, A18777, X82434,
S77771, AF000167, AF116573, S76508, AL133665,
AL137476, AF159615, E12580, X75295, S83456,
A21103, AF028823, L13297, E05822, AF141289,
AL117583, E15582, AF090886, AL049452, AL050393,
AF019298, A08910, AJ004832, AF113013, I89931,
A08909, AF017437, X79812, AF106657, AL137550,
I49625, A08907, A08908, AL122050, A77033,
A77035, AF176651, I32738, AL137548, A48221,
AF013214, AF185576, AL137521, A48220, I89934,
Y10823, A65341, A76337, AF087943, U95114,
AF090903, AF032666, AF008439, Z97214, U77594,
D83032, AL133084, I33392, X06146, AL122100,
AL122045, AL137533, S68736, AF090901, AL122121,
X72387, A23630, E12747, X66862, AL049382,

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| | | | AF120268, AL137538, AF061981, U72621, AF061943, AL035458, AL136884, AF113677, AL122106, AF026030, AL050278, A07647, AL137495, A90844, AF111851, AL137459, Z37987, AL110221, AL110158, AL080140, U62966, AL080147, AF180525, AL137705, E06743, U36585, AL133560, E02152, AF111112, U75932, AF078844, AF113694, AF090934, A57389, S63521, AL133054, A86558, AL137286, AL133558, U67958, X61399, AL080159, AR000496, AL049430, U39656, X80340, AR029490, AL117626, AL137271, AF210052, Z82022, X52128, AF109155, AL137711, Y14314, AF026008, AF124728, AL133016, AF158248, AL122118, AL122093, AL080148, AL133113, AR068466, AL133010, AF182215, M92439, AF107018, Y08769, AL080118, S54890, AF183393, A65965, M19658, AF195092, AL122049, L19437, Y16645, X56039, A65340, Y11587, AL137478, AL080154, AF200464, AR059958, AF043493, AF061795, AF118558, AF151685, AF199027, A65943, U78525, AL050155, AL117435, E02221, E01614, E13364, L04504, AB029065, J05277, X96540, AR011880, I89944, I22272, AF091084, AF145233, AB028451, AL050277, E12579, I26207, I22020, AF146568, U35846, AF102578, U89295, AL110280, U88966, AL137463, AR013797, AL137554, I09360, AL137298, AL133640, AF162270 | W00981, AA095481, N79184, AI693730, AA113788, AA096381, AI373515 |
| 1377 | HYABC06 | 876168 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 657 of SEQ ID NO:1377, b is an integer of 15 to 671, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | |

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| | | | NO:1377, and where b is greater than or equal to a + 14. | |
| 1378 | HLYDI04 | 876169 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 487 of SEQ ID NO:1378, b is an integer of 15 to 501, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1378, and where b is greater than or equal to a + 14. | |
| 1379 | HBXFF23 | 876170 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 948 of SEQ ID NO:1379, b is an integer of 15 to 962, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1379, and where b is greater than or equal to a + 14. | W03002 |
| 1380 | HDPBG07 | 876172 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2921 of SEQ ID NO:1380, b is an integer of 15 to 2935, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AW450363, AA806222, AI697498, AW379227, AI950341, AA477713, AW262972, AI762090, AI143168, AA062917, AW055125, AI708563, AA722270, AI190178, AI147612, AA188072, AI524191, AA280235, N44673, AI921393, AI291105, AI760852, W68464, N26444, AI373000, AI302843, AI097247, AI160536, T66196, AI804233, W78020, AW138636, AI423991, AI089967, C75569, AA565899, AI279995, AI565961, AW341212, H99338, AI299654, AA631426, AA419222, AA663984, W73977, AA954140, |

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| | | NO:1380, and where b is greater than or equal to a + 14. | W51950, W69512, AA410280, AI491793, AI393820, AA128340, AA349786, AI424298, C75628, H29446, AA213410, AA599925, N35301, N44876, H29445, H43944, AW407957, AI186159, N95537, AA730169, AA662641, AW241690, AA838196, W04289, AA187171, F12045, W73396, H96739, AA082450, N54637, AI693584, AA514420, AI266534, W69601, AA805928, AA255924, N33412, C75660, AI351695, AA386137, AW291308, AI656702, AI242486, AW026628, AI423698, AW405587, H45912, AA582631, AA244409, T91940, AI693563, R81438, AI868184, H42592, AA355526, AA349785, T84915, AI001044, AW079738, Z29930, R80195, F09688, H43066, AW273143, R74231, AA419207, AI205120, H00493, AI918592, H23921, R81641, AA345108, AA361827, AI707909, AA310049, AA346697, W69413, AW407592, T66132, T87190, T18570, T87277, T18595, D61617, W24226, AA281534, T10717, AA213409, AA503305, AA477714, R50328, N44051, AA928401, AI018524, N74140, AA761812, W69429, AA922945, AI381590, AI347968, N24768, AR038868, AB016811, AR055261, AR038869, AR055262 |
| 1381 | HCYBF02 | 876174 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 612 of SEQ ID NO:1381, b is an integer of 15 to 626, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1381, and where b is greater than or equal to a + 14. | AA305198, AA134366, AA259244, AI078409, AA338262, R91816, AI591375, AI460050, AA601376, AI909130, AW338376, AA484658, AW272389, AI890297, AL035847, N54947, AA522642, AA847096, N80390, AL039471, AA078337, AA515176, AW008089, AA171400, AA595499, AW247866, AW250983, T94247, AI468971, AA349437, T05143, AA297682, AI935827, AA833896, AA833875, AA493464, AW168520, AA350593, AA610381, AA568494, AI952885, AA772140, AL044674, AW080062, AA526542, AA847711, AA665645, AA601674, AA335314, AA507745, AI050050, AW088745, AI271693, T26553, AI224583, AA320262, AA847095, AA493136, AI064918, AA743517, AI000381, AA595661, N59648, |

R10475, AA679937, AW029515, AA666052, AA640685,
AA218684, AA548390, AA584862, AA283455,
AI440037, AA613627, AA524604, AI583321, F31380,
AA523132, AL118823, AA199578, AW021105,
AI918661, F18553, AW419209, AA314494, T57562,
AI049845, AA551105, R92608, N26159, AI251576,
AA582975, H88429, AI927275, AL040054, AI272241,
AA687730, AA634882, H62123, AW169038, AA071173,
AA613231, L78810, AL022330, AC004032, AC004925,
AC004914, Z77249, AC004973, AF196970, AL079339,
AC007649, AC007842, AC004986, AF205588,
AP000031, Z75744, AL031293, AC006539, AC003668,
AC005549, AL121578, AL049636, L05367, AP000038,
AL021407, AL133485, AC004929, AC006026,
AL035086, AC000115, AL031283, AL022165,
AL031781, AP000279, AC004526, AP000135, U63834,
AC005082, AP000106, AC007308, AP000305, Z98744,
Z95125, AL035413, AC006251, AL109865, AL031073,
AC005184, AC001226, AP000047, AP000115,
AF134726, AC004996, AD000684, AP001052,
AC007240, AF165141, AC006509, AC005484,
AC004383, AC009731, Z98049, AC011456, AL031433,
AC004087, AC007537, AC004079, Z98884, AC007541,
AC005859, AC004263, AC004988, AL035653,
AC002544, U91326, AC005412, AC002425, U95742,
AL034419, AL009047, AC007533, Z83826, AC007216,
AC002300, AC005828, AF207955, AL035460, U91321,
AC004984, L29074, AP000261, AF222686, AL034379,
AL031652, AC005632, AC007463, AC005209,
AC002403, AP000100, AP000035, AC005048,
AP000123, AP000055, AP000170, Z98048, AL079306,
AL022322, AC006241, AL080239, AC002395,
AL023883, AC005229, AL133396, AC004468,
AC000378, Z69705, AC004063, AL033504, U91323,
AL135960, AJ131016, AC004754, AC007371,
AC005046, AC002110, AJ006345, AC005832,

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|---|---|---|---|---|
| | | | AC005829, AP000010, AC004961, AC005725, AL022239, AC002105, Z98050, AC005225, AC006270, AL031584, AL034451, U82828, AC008064, AP000247, AC007066, AP000255, AL049832, Z84484, Z84572, AC004853, AC002039, AC006062, AL033527, AL031733, AP000497, Z97353, AP000503, AL133353, AL008712, AC005377, AL096791, AC003676, AC005690, AC004938, AC007388, AC005876, AC006142, AP000102, AL034429, AF222685, AL121576, AC002492, Z73358, AP000351, AC008372, AC009399, Z97184, AL049829, AC004099, AC007538, AC005253, AL121694, AL122003, AC006430, AP000201, AC007539, AL022328, AF049895, AC002064, AC006385, AC005042, AC007955, AC007731, AC004975, AP000097, AC007682, AL049712, AL022163, AC009248, AL031985, AC006155, AP000356, AC005191, AC006965, AC007385, AC005988, AF128525, AC004033, AC005409, AL023095, AC004953, AL035411, AL049773, AC005154, Z84469, AC005500, AL021331, AC012380, AL031054, AF165926, Y10196, AP000354, AL008718, AL031287, AC000353, AC010205, AL050326, AC005375, U82696, AP000338, AL132987, U71148, AC004794, AC007200, AP000216, AC003098, AC005585, AC006141, AC005342, AP000352, AC006277, AC005378, AC004815, AC005660, AF023268, AL031055, AC004876, AL031729, Z68287 |
| 1382 | HTWDI21 | 876177 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 569 of SEQ ID NO:1382, b is an integer of 15 to 583, where both a and b correspond to the positions of | AI656807, AA897632, AW151919, AW271601, AA287933, AI393569, AA644542, AI248118, AA707517, AI240868, AI247781, AI076324, N68357, AI380870, T87807, AA808229, AW197425, AA835077, Z40387, AI458836 |

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| | | | nucleotide residues shown in SEQ ID NO:1382, and where b is greater than or equal to a + 14. | |
| 1383 | HATED01 | 876179 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 503 of SEQ ID NO:1383, b is an integer of 15 to 517, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1383, and where b is greater than or equal to a + 14. | AI792782, AI191919, AI765864, AI733139, AA702347, AI220405, AI423312, AI478373, AW302194, AI423507, AI916231, AI627973, AW173486, AI086574, AI701146, AI521715, AI917438, AI678790, AI925944, AI770081, AA760715, AI904742, AI582603, AI990352, AI951007, AI655622, AI650463, AW173518, AI393071, AW236096, AI989921, AI022200, AI024409, AI393059, AI695050, AA888360, AI206995, AI077536, AI474034, AI452440, AW194978, AI076106, AI206908, AA969379, AA551593, AI223442, AI302211, AI968178, AI571592, AI241002, AL034553, D86198, AF007875, AB004789 |
| 1384 | HWLVU14 | 876182 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1216 of SEQ ID NO:1384, b is an integer of 15 to 1230, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1384, and where b is greater than or equal to a + 14. | AI347147, AI738411, AI439130, AA514394, AA595253, AI269359, AW028586, AI936898, AI739648, AW242697, AW027766, AA081901, AI739639, AW157368, AI739255, AI393079, AI244459, AA226866, N99765, AW418654, AA480225, AA905814, AA999828, AC007501, U80736 |
| 1385 | HOVCI12 | 876183 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 368 of SEQ ID NO:1385, b is an integer of | AA307780, AI923248 |

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| | | | 15 to 382, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1385, and where b is greater than or equal to a + 14. | |
| 1386 | HCYBB01 | 876184 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1188 of SEQ ID NO:1386, b is an integer of 15 to 1202, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1386, and where b is greater than or equal to a + 14. | AW180031, AI922934, AA504414, AI536863, AA744849, AA972022, AA309130, AI569395, AA135144, AI570856, AW021626, AA904846, AA962329, AA737604, AI351478, AI560610, AA765375 |
| 1387 | HCRPM32 | 876187 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 561 of SEQ ID NO:1387, b is an integer of 15 to 575, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1387, and where b is greater than or equal to a + 14. | AA019767, AA213771, H86330, H85652, H86775, H86333, AI990107 |
| 1388 | HLDNV31 | 876192 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1658 of SEQ ID NO:1388, b is an integer of | AI741793, AW003635, AA425065, AL044729, AI825212, AI333124, AW102958, AA699738, AW014983, AI580520, AA653341, AI248768, AW057987, AA961070, H11570, AA913775, AI425117, AI452997, AI937807, AL039909, AL041387, AA398627, AI223186, T87214, AL045603, AI638724, AA644230, R45377, AI700094, T74013, Z21364, |

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| | | | 15 to 1672, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1388, and where b is greater than or equal to a + 14. | AA749051, F10219, R14519, AI242930, R40666, R21286, F12602, AA887964, H11462, AA416562, Z21365, AI890224, R41179, AA829590, AA417298, AA653411, AA837654, AI221436, AA493103, AW082244, R14339, AA055888, AW389658, T67466, T97917, R08296, AB002326 |
| 1389 | HCRNN03 | 876193 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 434 of SEQ ID NO:1389, b is an integer of 15 to 448, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1389, and where b is greater than or equal to a + 14. | AC005219 |
| 1390 | HTPIQ89 | 876198 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 868 of SEQ ID NO:1390, b is an integer of 15 to 882, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1390, and where b is greater than or equal to a + 14. | AI808815, AI457550, AI911077, AI658931, AI916359, AW009684, AW072228, AA579578, AA622141, AA295027, AA552628, AA594836, AA551833, AI167645, AA576815, W23220, AF114127, AB014603, AL137668 |
| 1391 | HWLQD01 | 876200 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of | |

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| | | | SEQ ID NO:1391, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1391, and where b is greater than or equal to a + 14. | |
| 1392 | HISAQ01 | 876201 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 842 of SEQ ID NO:1392, b is an integer of 15 to 856, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1392, and where b is greater than or equal to a + 14. | |
| 1393 | HCRMC10 | 876206 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 627 of SEQ ID NO:1393, b is an integer of 15 to 641, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1393, and where b is greater than or equal to a + 14. | N24236, AI742828 |
| 1394 | HWABD53 | 876207 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 698 of | T25873, AW024164, C06355, AI476066, H79253, C06056, R78935, AI436456, AI064830, AL121270, AL047042, AL046849, AI349772, AI686926, AL045500, AI433157, AL047763, AI433976, AL040243, AW117882, AW071349, AI608667, AI275175, AL119049, AL044207, AI580190, |

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| | | SEQ ID NO:1394, b is an integer of 15 to 712, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1394, and where b is greater than or equal to a + 14. | AL119791, AI440426, AI500077, AI281779,<br>AL036980, AL036146, AW074993, AI687728,<br>AI868831, AI349645, AW268253, AI312152,<br>AI345735, AL119748, AI567351, AI620284,<br>AI349937, AI538716, AI469532, AI699857,<br>AW089572, AI497733, AI818683, AW169653,<br>AI340582, AW071417, AW301409, AL135661,<br>AI349004, AI597750, AI499463, AI873731,<br>AI863014, AI590128, AI800453, AW087445,<br>AI521012, AI282655, AW162071, AI349256,<br>AL036396, AW195957, AI250293, AI678302,<br>AI568870, AW274192, AW148320, AI343112,<br>AI702406, AW303152, AL036802, AI758437,<br>AW103371, AI440239, AI680113, AI687376,<br>AI800433, AW238730, AI597918, AI349933,<br>AI934036, AI679724, AW068845, AI500553,<br>AI635461, AI439087, AI207510, AL048871,<br>AL121365, AI635942, AI857296, AI475371,<br>AI564719, AI349614, AI920968, AI348897,<br>AL038778, AI866608, AI499131, AI815383,<br>AI281773, AI631107, AI499393, AI874109,<br>AI697137, AI909641, AI636456, AI285735,<br>AI334902, AI445432, AI625079, AL036274,<br>AI906328, AI609592, AI583316, AI475134,<br>AL120854, AI862142, AI540832, AI613017,<br>AI500659, AI249257, AI687415, AI498579,<br>AI702433, AI687375, AL038605, AI690835,<br>AI919058, AI633419, AI866002, AI952114,<br>AA585422, AI492540, AW074869, AI568855,<br>AI889203, AW301300, AL120736, AI536685,<br>AI539771, AW167776, AI671679, AI610307,<br>AI224992, AI283941, AL119828, AI696846,<br>AA640779, AA613907, AI909666, AI673256,<br>AI366549, AI612913, AI349598, AL040169,<br>AA572758, AL036759, AI818206, AA508692,<br>AI340519, AI690751, AI349226, AI568854, |

AI567632, AI271786, AI269696, AI889839,
AL038779, AW302965, AI682841, AL121014,
AW166645, AW075351, AI753683, AW080838,
AI684265, AI318569, AI866780, AI811353,
AI307466, AI366991, AI907070, AI446606,
AW302992, AI866887, AI969601, AL047041,
AI679764, AI859733, AI469811, AI754897,
AI439745, AI628205, AI281762, AI343059,
AI811863, AI580984, AL043326, AI270055,
AI813914, AL036240, AI282281, AI434281,
AI802542, AL036260, AW026882, AI610645,
AI499512, AW235035, AW268072, AI696398,
AI800411, AW269097, AI624668, AI569616,
AI909662, AI445025, AI921379, AI312428,
AI251485, AW085799, AI274541, AW104724,
AL036247, AI570384, AI591311, AW183130,
AW132121, AI678989, AI309401, AI446628,
AI620868, AL121463, AL036631, AW118557,
AL042753, AI969567, AI609331, AI269205,
AI282903, AI432229, AI653541, AI340603, I48979,
AF090900, AL133640, AL117460, AL133606,
AF090903, S78214, AF090934, AF113694, L31396,
L31397, AJ242859, AL050146, S68736, AL049452,
I89947, AF090943, AF078844, AL117457, AF125949,
AL080060, AF090901, AF113013, AL050393,
AF118070, AF113691, AF118064, A93016, AL133016,
AL110221, AL110196, Y11587, AL137527, U42766,
AF104032, AL049938, AF113690, AL050149, I89931,
AF090896, AL122050, AR059958, AF113689,
AL050116, AL050108, AL049314, A08916, AF113676,
AL133075, X84990, AF113677, AB019565, AF106862,
AL049466, AL133557, AL096744, AF017152,
AL122093, AF113019, A08913, AF111851, AF113699,
AL080137, AL133093, AL133080, AL080124,
AL137283, AL050277, AR011880, Y16645, AF097996,
E03348, AL133565, AL137557, AF158248, AL122123,

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| | | | E07361, I48978, U91329, AJ000937, X63574, Y11254, AL137459, AL122121, AL117394, AL049430, AF146568, AF091084, AF125948, AL110225, AL050138, U00763, X82434, AL133560, AF079765, AF177401, AL117583, A65341, E02349, I49625, E07108, AL049300, AL117585, AL137550, AF017437, AL049382, AL049464, AJ238278, A08910, AF067728, AL117435, A58524, A58523, A08912, S61953, AL050024, A77033, A77035, X70685, AL122110, AF091512, I33392, AL137648, A08909, AC006371, AL133113, A03736, X96540, A12297, AF118094, Z82022, AF183393, E05822, AL122098, AL137271, AL137538, AL049283, AF061943, AC002467, I03321, U72620, AC002464, U35846, AC007390, AL137463, X72889, AL080127, AL137523, U80742, AC005992, I09360, AC006840, X65873, AL096776, X98834, AF087943, AL110197, AC004686, AF042090, Y09972, X93495, AL133072, AL122049, AC004227, AL137521, AC006336, U95739, E08263, E08264, L13297, AC004987, U67958, I17767, AL133568, AC004093, AL022147, AL080159, AF061981, U68387, U49908, M30514, AC006039, AL137429, AF026124, AL078630, I42402, AR013797, AC007392, AL035067, AC007172, AL133077, I26207, AL137526, AL137560, E15569, AC004200, AJ012755, AL050172, AC004690, AF100931, A93350, I66342, AL137533, AL035587, AL022165, AC007298, AF111112, AF000145, AR000496, U39656, AF026816, AF081197, AF119337, AC005291, AC004383, I00734, AF057300 | |
| 1395 | HKCSF17 | 876208 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 906 of SEQ ID NO:1395, b is an integer of | |

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| | | | 15 to 920, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1395, and where b is greater than or equal to a + 14. | |
| 1396 | HTDAI12 | 876209 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1087 of SEQ ID NO:1396, b is an integer of 15 to 1101, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1396, and where b is greater than or equal to a + 14. | |
| 1397 | HYABB57 | 876213 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 434 of SEQ ID NO:1397, b is an integer of 15 to 448, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1397, and where b is greater than or equal to a + 14. | N73548, AI694413, AW271652, AI082035, AI912946, AI719718, AA024658, W24189, W24182, AW015394, T79755, AA988043, AI709339, AI510754, AI656335, AL031983, AC006137 |
| 1398 | HWLVN09 | 876215 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 749 of SEQ ID NO:1398, b is an integer of | AI088609, AI742316, AI264197, AI803475, AI307145, AI129474, AA442089, AI886144, AI249368, AI864189, AI584049, AI696838, AW058403, AA428062, AI913435 |

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| | | | 15 to 763, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1398, and where b is greater than or equal to a + 14. | |
| 1399 | HOHAU02 | 876220 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 305 of SEQ ID NO:1399, b is an integer of 15 to 319, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1399, and where b is greater than or equal to a + 14. | AI903943, AI903949, AL035420, AC005082, AC008064, AL022727 |
| 1400 | HCRNJ43 | 876224 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1561 of SEQ ID NO:1400, b is an integer of 15 to 1575, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1400, and where b is greater than or equal to a + 14. | AA313797, W73983, AW374097, AA824282, AI207345, Z26317 |
| 1401 | HWLGV14 | 876226 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1299 of SEQ ID NO:1401, b is an integer of | AI110653, AA573785, AI421829, AI889106, AI815098, AW082282, AW151910, AA309046, AW251068, AI688082, AI935867, AA903732, AI342309, AI469758, AI301940, AI336447, AI660665, AI625318, AI636809, AI559518, AI216199, AA974182, AI336445, AI476296, AI272699, AA865622, R95048, AI832439, AI908555, |

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| | | | 15 to 1313, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1401, and where b is greater than or equal to a + 14. | AW079674, AW276067, H71284, AI290972, AI659188, H41084, H39231, AI865986, AI333305, R76336, AI914585, AI590410, H12385, AA987621, R48364, R94963, AA639087, D45438, C20912, AI274107, AI720940, H70884, AA372940, AW250334, H15022, AI244423, AW192993, AA935031, AI199655, AI199654, H15021, AI832803, AA593195, AW269879, AA886276, AI225252, R45920, AF115384, AC006479 |
| 1402 | HCYBM15 | 876228 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 516 of SEQ ID NO:1402, b is an integer of 15 to 530, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1402, and where b is greater than or equal to a + 14. | AA305646, D57483, C14389, D80391, D59787, D80196, D81026, D80253, D80522, D58283, D80366, D51022, D80227, D59859, D59467, D80043, D51423, D80022, C14331, D59275, D80166, D80195, D59619, D80210, D51799, D80164, D80240, D59927, D59502, D81030, D50979, D59889, D80248, D80212, D80251, D50995, D80269, D80188, D80219, C15076, D80038, AA305578, D80133, D59610, D80024, AA305409, D80193, D80378, AA514186, AW177440, AA514188, D80241, C75259, C14429, AW178893, D80045, D51060, AW377671, T03269, AW360811, AW179328, D80132, C14014, D58253, AW378532, AW375405, AW177501, AW177511, C05695, AW178762, D59373, D80134, D80268, AW366296, AW360844, D80439, AW360817, D51250, AW375406, AW378534, AW179332, AW377672, AW179023, AW178905, T11417, AW178775, AW369651, AW177505, AW179024, AW352158, F13647, D80949, AW352117, D80302, AW176467, AW352171, AW377676, D80247, AW178906, AW352170, AW177731, AW178907, AW179019, AI910186, AW360841, AW179020, AW178909, AW177456, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, D51079, AW179018, AW352174, AW179004, AW179012, AW360834, AI905856, D51103, AW178914, AW378525, C06015, AW367967, D80157, AW177722, D59627, D58101, D59503, AW177728, AW179009, D51759, AW178774, AW178911, AW378543, AW352163, AW378540, AW178983, Z21582, AW178781, T48593, |

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| | | | | D59653, C14227, D51213, D45260, AW352120, AW177723, C14975, AI535850, AA285331, C14973, D51097, D80064, H67854, C03092, AW378533, AA809122, H67866, D81111, AI557751, AW367950, AI525917, AI525923, D80014, T03116, AI557774, D59317, D50981, D58246, AW178986, D45273, D80258, C14344, D51221, D59474, D60010, AW177734, AI525920, AA514184, AI535686, C14957, C14407, D59551, AI525227, D60214, AI525912, C14046, AI525235, C16955, Z33452, AI525242, AI525222, AI525925, C14298, T03048, AW378539, AI525215, AI525228, D80168, T02974, AW378542, C05763, AI525928, AW360855, AI525237, H67858, C04682, T02868, D51053, D51231, A62300, A62298, AR018138, A84916, AJ132110, AF058696, AR008278, AB028859, X67155, Y17188, D26022, A25909, Y12724, A67220, D89785, A78862, D34614, D88547, X82626, A82595, I82448, A94995, AR060385, AB002449, AR025207, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AR054175, AB012117, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I14842, I18367, A30438, X68127, Y17187, AR008277, AR008281, A63261, D50010, A85396, D88507, AR066482, X64588, A44171, A85477, I19525, A86792, AR062872, A70867, AR016691, AR016690, U46128, X93549, AR008408, A64136, A68321, I79511, D13509, AR060133, AF123263, X72378, AR032065, U79457, AR008382 |
| 1403 | HTXOU56 | 876229 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1396 of SEQ ID NO:1403, b is an integer of | AA897516, AW408837, AA975111, AI375439, AW058357, AI831278, AA429693, W17288, N92884, AI800566, H90037, W25564, N89755, AW075779, N90701, H64915, H64916, AA019995, AA864899, AF177934, L47207, I36298, X97874 |

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| | | | 15 to 1410, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1403, and where b is greater than or equal to a + 14. | |
| 1404 | HHFCN93 | 876232 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1428 of SEQ ID NO:1404, b is an integer of 15 to 1442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1404, and where b is greater than or equal to a + 14. | AA769099, AW051928, AI701149, AW166012, H14423, AA972142, AI339332, N92764, R59745, AA100558, AI383947, AA347767, AA015757, AI338203, AA347768, D81417, H72916, AA805417, D20390, AI025219, R52023, H14749, AA504717, AC006366, Z55318 |
| 1405 | H2CBC05 | 876236 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1675 of SEQ ID NO:1405, b is an integer of 15 to 1689, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1405, and where b is greater than or equal to a + 14. | AI743549, AI953907, AW444710, AI457576, AA452352, AI744355, AW169608, AA452129, AA809771, AI284062, AA307160, AW363101, AI865348, AA907553, AI620087, AI936509, AA618311, AA456277, AA454662, AA173381, AA534032, AI369959, AW000933, AW298707, AW363100, AA478933, N90372, AI186424, C14331, D80166, AA809122, D80439, D80247, D59619, D80210, D80240, AI557751, D59927, D81026, D80022, D81030, D80219, D80212, D80133, C14389, AA305409, C14014, D80391, D59787, D59859, AA514186, D59502, D51423, D51799, D80253, D80043, C14344, D80522, D51060, D80196, D80157, D80268, C15076, D80248, D80366, D80195, D58283, D80188, D80164, D59467, D51022, D59275, D80038, D80227, D50995, D59610, D57483, D80193, D80045, D80269, D59889, D59653, D50979, D80024, AA305578, D51759, D80302, AA514188, AW360811, T03269, D80241, D80251, AI535686, AW377671, |

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| | | | | D80378, D51103, C06015, AW177440, T03116, AI525923, C05695, AW178893, D45260, C75259, D58246, D59373, AW375405, AW360844, H67866, C14407, C03092, H67854, C14973, AW366296, AW177501, AW178906, AW177511, AW360817, AW179328, AW179020, T48593, AW375406, AW378534, AW352171, AW179332, AW377672, AW179023, AW178905, D80064, AW177731, AW378528, AW178762, AW178754, AW179019, AW179024, AW377676, AW378532, D81111, T11417, Z21582, AI525917, AW360841, AW352120, D51221, C14227, AW177505, AW178775, F13647, D80258, AW178909, AW177456, AW179004, D59503, AW352170, D51250, AW178986, AW178907, AW177733, AW178908, AW179018, AW352158, AW178971, AW360834, AW352117, D59317, D80014, D59474, N66429, AI525920, AW177734, AW378533, D80949, AA514184, AW367950, D58101, AW179009, AW179012, AW178980, AW178914, AW178774, AW178781, AW378543, AW378540, AI557774, C14957, D60010, H67858, AW179013, D59551, D80168, C14298, AI525235, Z30160, AW178759, AI525215, AW178911, AI525227, AW378525, C14046, AW352163, AW378539, AI525912, D80228, AW177728, D59695, Z33452, AA285331, D51053, D45273, AI525242, C16955, D59627, D51213, AW378542, C05763, AI525925, AI525222, T02974, D13645, A62298, A84916, A82595, AR018138, A62300, A30438, AR008277, AR008281, Y17188, Y17187, AR008278, AF058696, AR060385, AB028859, AJ132110, AB002449, I50126, I50132, I50128, I50133, U46128, AR016691, AR016690, X82626, AR016514, I14842, X67155, AR060138, A45456, A94995, D26022, A26615, AR052274, A43192, Y12724, A43190, AR038669, A25909, AR066488, Y09669, AR066487, X68127, A67220, D89785, A78862, D34614, AR054175, AR008443, |

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| | | | | A63261, D88547, D50010, AR062872, A70867, AR008408, A64136, A68321, I79511, AR025207, D13509, AR060133, AF123263 |
| 1406 | HTEPE28 | 876238 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 694 of SEQ ID NO:1406, b is an integer of 15 to 708, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1406, and where b is greater than or equal to a + 14. | AA205046, AA383391, AI184616, AA223825, AI825541, AI469846, D42084 |
| 1407 | HUSGL79 | 876239 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 824 of SEQ ID NO:1407, b is an integer of 15 to 838, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1407, and where b is greater than or equal to a + 14. | AA045573, AA279920, R20139, AA372783, H21473, AB010812, AC004520, AF125534, AC007225 |
| 1408 | HPMFU84 | 876259 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 918 of SEQ ID NO:1408, b is an integer of 15 to 932, where both a and b correspond to the positions of | AI017564, AA809290, AW002023, AA405338, AA806993, AA405339, AA888974, AA236935, AI024655, AA262702, H49789, AI524770, N77703, AA362512, T88993, AA328171, C01908, U43374 |

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| | | | nucleotide residues shown in SEQ ID NO:1408, and where b is greater than or equal to a + 14. | |
| 1409 | HDLAD09 | 876260 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 751 of SEQ ID NO:1409, b is an integer of 15 to 765, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1409, and where b is greater than or equal to a + 14. | W79877, Z42158 |
| 1410 | HCQAW45 | 876261 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 518 of SEQ ID NO:1410, b is an integer of 15 to 532, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1410, and where b is greater than or equal to a + 14. | AI829532, AL008582 |
| 1411 | HCYAC01 | 876265 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 538 of SEQ ID NO:1411, b is an integer of 15 to 552, where both a and b correspond to the positions of | AA308914, AA308913, D59927, D50979, D80227, D58283, D80188, D80253, D80195, D80043, D59275, D80269, D59502, D59859, D80022, D80166, D80366, D81030, D51423, D59619, D80210, D51799, D80391, D80240, D59787, D80378, D80038, D80212, D80045, D80193, D80196, D80164, D80219, D57483, C14389, D59889, D50995, D80024, D59467, D59610, C14331, C15076, C14429, D80241, D51060, AA305409, T03269, D80522, D58253, C75259, C14014, |

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| | nucleotide residues shown in SEQ ID NO:1411, and where b is greater than or equal to a + 14. | AW178893, D81026, D80134, AA305578, D51022, AW179328, D51250, D80268, AW177440, F13647, AW378532, AW178775, D80251, D80949, AW369651, D80168, D59695, AA514188, D52291, D51079, C14227, AW352158, D80248, AI910186, D81111, AW178762, AI905856, AW177501, AW177511, AA514186, D80133, AW360811, Z21582, C14298, D80064, C05695, AW352117, C14407, AW176467, AW375405, AW377671, D80132, AW360834, AW378540, D80302, AA285331, AW366296, AW360844, AW360817, AW375406, AW378534, D51097, AW179332, AW377672, AW179023, AW178905, AW352171, AW377676, D80439, AW178906, AW352170, AW177731, AW178907, AW179019, AW179024, D59373, D80247, AW179220, D80014, AW177505, AW360841, AW179020, AW178909, T11417, AW177456, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018, AI557751, D51103, AW179004, AW179012, C06015, AW352174, AW178914, T03116, AW378525, AW367967, D80157, AW177722, D51759, AW179009, AW177728, AW178774, AW178911, AW378543, AW352163, D80258, AI557774, AA809122, D59653, AW178983, AW352120, AW178781, D45260, T48593, D59627, T02974, C03092, AI535850, AW177723, H67854, H67866, AW378539, AI525923, D59317, D51213, D45273, C14975, T03048, D59503, AW367950, AW178986, D59474, AA514184, AI525917, AI525227, D58246, D60010, C14973, C14344, AW378533, C14957, D59551, AI535686, D51221, AW177734, AI525920, D60214, D58101, AI525242, C14046, AI525912, AI525235, C16955, AI525925, AI525237, AI525215, AW378542, C05763, Z33452, AI525222, AW360855, T02868, D31458, C04682, H67858, AI525928, C13958, U49017, A84916, AJ132110, A62300, A62298, AR018138, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, D88547, |

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| | | | | AR008278, AF058696, X82626, AB028859, I82448, AR025207, Y12724, AB012117, A82595, X68127, AB002449, AR060385, AR016808, A85396, AR066482, A44171, A94995, A85477, I19525, A86792, U87250, X93549, AR008443, I50126, I50132, I50128, I50133, AR016514, AR066488, AR060138, A45456, A26615, AR052274, I14842, Y09669, AR066487, A43192, A43190, AR038669, AR054175, A30438, AR066490, Y17187, I18367, A63261, AF135125, D88507, AR008277, AR008281, D50010, AR062872, A70867, AR016691, AR016690, U46128, AR008408, I79511, A64136, A68321, AB033111, D13509, U87247, AR060133, AR064240, AF123263, AR032065, U79457, X93535 |
| 1412 | HCROF86 | 876266 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1086 of SEQ ID NO:1412, b is an integer of 15 to 1100, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1412, and where b is greater than or equal to a + 14. | AI650543, W69438, W69521, H10084, AA489949, R13756, Z43027, F07990, F06224, AA326226, AW388196, AW388234, AW388225, AW388262, AW388176, AW388206, AW388208, AW388214, AW388253, AF086275, AB024057, AB017114, U88873 |
| 1413 | H2CBJ83 | 876269 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 549 of SEQ ID NO:1413, b is an integer of 15 to 563, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AA403070, AA313305, AA361460, T78498 |

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| 1414 | H2LAW73 | 876270 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 569 of SEQ ID NO:1414, b is an integer of 15 to 583, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1414, and where b is greater than or equal to a + 14. | NO:1413, and where b is greater than or equal to a + 14. | AA315703, AI796815, T99503, AI049875, D80022, D80391, D59787, D80253, D81026, D80196, C14389, D80522, D80366, D80195, D59502, D59467, D80164, D59275, D80227, D58283, AA305578, D80193, D80043, D50979, D59859, C14331, D80166, C15076, D51423, D59619, D80133, D80210, D51799, D80240, D80212, D50995, D81030, D80269, D80248, D80038, D80188, D80219, D59927, D80251, D57483, D59610, D80378, AA305409, D51022, D80045, D59889, D80024, AA514188, AW177440, D80241, T03269, AW178893, AW377671, AA514186, AW360811, AW179328, C14014, AW378532, AW375405, D80268, AW352117, D51250, AW178762, D80168, AW366296, AW360817, AW375406, AW378534, AW352171, AW179332, AW377672, AW377676, AW179023, AW178905, AW178754, AW179024, D52291, D80302, F13647, AW179020, AW177456, D80439, T11417, AW178906, AW177731, AW178907, AW179019, AW179018, D80247, C06015, AW378528, AW178908, D51103, Z21582, AW360834, AW178914, AW178781, AW378543, AW378525, AW378540, AA593344, D80157, D59627, D59503, AW178774, AW352163, D58101, AA809122, T48593, D80064, T03116, C14227, D45260, AI525923, AI557774, AA285331, D51213, C03092, H67854, H67866, D80258, AW378533, D81111, D59317, AI557751, D45273, AW367950, AW178986, D59474, AI525917, T03048, D58246, AW378539, AW179013, D80014, C14973, C14344, AA514184, AI525227, AI535686, D51221, D59551, AI525920, C14407, Z30160, H67858, AI525242, AI525235, AI525925, C16955, AI525912, T02868, Z33452, T02974, AI525215, D31458, C13958, C14298, AW378542, AI525237, AJ132110, A84916, A62298, AR018138, AF058696, A62300, AB028859, |

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| | | | | AR008278, X67155, Y17188, D26022, A25909, Y12724, A67220, D89785, A78862, D34614, I82448, D88547, A82595, X82626, AR016808, A94995, AR060385, AR025207, AB002449, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, I14842, Y09669, A43192, A43190, AR038669, AR054175, AR066487, AR062872, A30438, Y17187, X68127, A63261, D50010, AR008277, AR008281, A70867, AR016691, AR016690, U46128, AR008408, I79511, A64136, A68321, AR060133 |
| 1415 | HWMCL22 | 876274 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 404 of SEQ ID NO:1415, b is an integer of 15 to 418, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1415, and where b is greater than or equal to a + 14. | R86344, R86183, AC004686 |
| 1416 | HCRPZ42 | 876276 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 499 of SEQ ID NO:1416, b is an integer of 15 to 513, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1416, and where b is greater than or equal to a + 14. | AA285061 |
| 1417 | HCYBM32 | 876277 | Preferably excluded from the | AA305407, D51423, D51799, D80166, C14389, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1417, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1417, and where b is greater than or equal to a + 14. | D80133, D80522, D81030, D51060, D80248, D59610, D80366, D81026, D59859, D59619, D80210, D80240, D80253, AW377671, D80269, C14331, D58283, D80212, D50995, D80188, D59467, D51022, D80022, D50979, D80219, D80227, D80195, AA305409, D80391, D80164, D59275, D80038, D80043, D59787, D59502, D80241, D80251, D57483, D59889, D80196, D80024, D59927, AA514188, C15076, C14014, AA305578, D80193, D80268, AA514186, D80045, D80378, D80439, AW360811, AW177440, C14429, AW178983, C75259, AW178893, C06015, D59373, D80247, T03269, D80302, AW375405, AW360844, T11417, AW177501, AW179328, AW177511, AW366296, AW360817, AW375406, AW178906, AW378534, AW352171, AW179332, AW377672, AW179023, D80157, AW178905, C05695, AW378532, AW377676, D51103, AW360834, D51759, D80134, AW177505, AW360841, AW178775, D80132, D58253, D59653, D81111, AW178909, AW352170, AW178762, AW177731, AW367967, AW178907, AW378528, AW178754, AW179019, AW179018, AW179024, AW352117, D51250, AW176467, AW369651, D45260, AW179020, AW177456, F13647, AW179329, AW178980, AW352158, AW178914, AW177733, AW178908, AW178971, T48593, AW352174, AW179017, AW179004, AW178774, AW378543, AW179009, AW179012, D80064, D80258, C14227, D58101, AW352120, AW378525, AW352163, D80014, H67854, C14077, D50981, D58246, C03092, AI525923, T02974, AW178911, H67866, AW177722, AI910186, AW177728, AA514184, AA809122, T03116, D59503, AW367950, AI905856, AW378540, D59317, C14407, AI525917, AW178781, AI535959, AI525920, D45273, D51221, T03048, D60214, C14344, D59474, AW178986, C14973, AW378533, AI557774, AI535850, AW378539, AW177734, AW177723, C14957, D60010, C14298, AI535686, AI525235, D59551, AI525215, |

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| | | | | AI557751, AI525227, D80168, C14046, D59627, AI525222, AW179011, AI525912, AW179013, D51213, AI525242, AA285331, AI525925, Z21582, D51097, H67858, C16955, Z33452, Z30160, AW378542, C05763, D80949, AW178759, AI525928, AW360855, AI525237, D59695, D52291, D51053, C04682, C06084, T02868, D50312, AF015606, D50313, AF015605, D50314, D88159, E12830, A62298, AR018138, AR008278, AF058696, A84916, A62300, AJ132110, AB028859, AF015607, A82595, AR008443, AR060385, X67155, Y17188, D26022, Y12724, A25909, AB002449, A94995, A67220, D89785, A78862, D34614, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR060138, A45456, A26615, AR052274, X82626, AR025207, Y09669, A43192, A43190, AR038669, AR066487, I14842, AR054175, A30438, Y17187, AR066490, AR008277, AR008281, A63261, D50010, I18367, X68127, AR062872, A70867, AR016691, AR016690, U46128, AR008408, I82448, A64136, A68321, I79511, AB012117, D13509, AR060133, AR066482, A85396, D88507, AF123263, A44171, AR032065, A85477, I19525, A86792, U79457, X93549, AR008382 |
| 1418 | HCRPJ72 | 876278 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 915 of SEQ ID NO:1418, b is an integer of 15 to 929, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1418, and where b is greater than or equal to a + 14. | AI346422, AI246769, AI304342, AI910457, AI381007, AA541292, AI129972, AA496921, AW089855, AA627519, AA627188, AW082592, AA923632, AA577580, AW439990, AI650301, AI676154, AC004080, U41813, AF010258, U81511, X13537, X13536, M28449 |
| 1419 | HKCSA58 | 876280 | Preferably excluded from the | A15979 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 230 of SEQ ID NO:1419, b is an integer of 15 to 244, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1419, and where b is greater than or equal to a + 14. | |
| 1420 | HMWFC49 | 876281 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 158 of SEQ ID NO:1420, b is an integer of 15 to 172, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1420, and where b is greater than or equal to a + 14. | AW410053 |
| 1421 | HMSIE02 | 876282 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2279 of SEQ ID NO:1421, b is an integer of 15 to 2293, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1421, and where b is greater than or equal to a + 14. | AW451452, AI040326, AI650832, AA313243, AI650393, AI818259, AA534633, AI094737, AI033652, AI693411, AI341518, W30723, AW197245, AW051598, AW291994, AI274289, AI221551, AA035621, AA653321, AA634950, AA781232, AA136077, N99062, AA806117, AA136161, AA722867, AA932876, AI435016, AI659053, AI474321, H87560, AA843369, H21542, AA361623, N47604, N45494, AI907694, AA332538, H87452, AI284255, AA037342, AA365059 |
| 1422 | HCRMZ34 | 876284 | Preferably excluded from the | AA034416, AA491400, AA504783, W65331, AI885434, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1646 of SEQ ID NO:1422, b is an integer of 15 to 1660, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1422, and where b is greater than or equal to a + 14. | AI553873, AI637992, AW172551, AA236838, AA053881, AA482166, AI680567, AI184074, R43006, AA491299, W61314, AA884262, R17801, AA888033, U96876 |
| 1423 | HTGAM27 | 876300 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 296 of SEQ ID NO:1423, b is an integer of 15 to 310, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1423, and where b is greater than or equal to a + 14. | AA187449, AW361774, AL034396, L14787, Z99130, AL031115 |
| 1424 | HCYBI20 | 876304 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3092 of SEQ ID NO:1424, b is an integer of 15 to 3106, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1424, and where b is greater than or equal to a + 14. | AI433336, AI763355, AI911988, AI436136, AI609777, AI859398, AA197062, AA305389, AI346370, AW271204, AA825907, AW242356, AI910841, AI673503, AI632367, AW269183, AW196356, AW273255, AI304550, AI419935, AI270299, AI247514, W01219, AI355117, N72988, AA030042, AW007158, AA070475, AW006961, AI304462, W57671, AA876039, AA705874, AA831500, H62242, AA897761, W03289, AA029912, AA305307, H93491, W91963, H82187, AI245415, AA643520, AW088307, H93492, R89908, AA377111, AI318375, AI961885, AA059231, AA883186, AW139085, AA581261, T85676, Z40302, AA887782, AA502293, |

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| | | | | AW264318, H62331, R93209, R07861, AA360792, H82082, T29678, F01458, AA527320, H61166, AI270229, AI932770, AW070350, R07916, AI765901, F04303, N74218, AA581216, AW268185, AI334444, AW274341, AW268947, AA128235, AI699588, AA128234, AI581851, C14331, D80022, D58283, D59927, D80247, D80248, D80043, C14389, D80227, D59467, D51799, D80439, D59502, D50995, D59859, D80522, D80166, D80195, D51423, D59619, D80210, D80391, D80164, D59275, D80240, D80253, D80038, D80269, D59787, AA305409, D51060, D81030, C14429, D81026, D80212, D80268, D80366, C15076, D80196, D80188, D51022, D50979, D80219, D80378, D59610, AA305578, AA514188, C14014, D57483, C03092, D59889, D80193, D80133, D80045, AA594216, D80024, AA514186, C06015, D80302, D80157, AW360811, D51103, AW177440, D59653, D51759, D80241, D80251, AW178893, T03269, AW377671, AW375405, C75259, H67866, D45260, H67854, T11417, AW352170, AW366296, AW178906, C14344, AW360844, X12901, A07400, M98454, A14103, A26237, X04657, AF058696, A62300, A82595, A84916, A62298, AB028859, AR060385, AJ132110, AR018138, AR008278, AB002449, I50126, I50132, I50128, I50133, AR016514, AR054175, X67155, AR060138, A45456, I14842, Y17188, A94995, D26022, A26615, AR052274, A43192, Y12724, A43190, AR038669, A25909, AR066488, Y09669, AR066487, Y17187, A67220, D89785, A78862, D34614, A30438, AR008443, A63261, AR008277, AR008281, AR062872, A70867, AR016691, AR016690, U46128, D50010, D88547, I79511, X82626, A64136, A68321, AR008408, X68127, AR025207, AR060133, AF123263, AR032065 |
| 1425 | HNEDH18 | 876306 | Preferably excluded from the present invention are one or more | AA297291, AA504969, AA504982, AL119401, AA622598, AL134137, M20317, X14448, AL035422, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 338 of SEQ ID NO:1425, b is an integer of 15 to 352, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1425, and where b is greater than or equal to a + 14. | U78027, M18242 |
| 1426 | HWMFQ61 | 876308 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1953 of SEQ ID NO:1426, b is an integer of 15 to 1967, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1426, and where b is greater than or equal to a + 14. | AA769602, AA524145, AW007155, AI127421, AI826426, AI815931, AW193517, AI951907, AA290918, AA573859, AI879177, AI912328, AW070886, AI376231, AI352472, AW296096, AI956172, AA283702, AA583479, AA486429, AI095623, N91996, AA405889, AI089975, AA493377, AI147623, AA147930, H09366, AI879560, AI698813, AI493913, AA580211, AA737974, AI476337, AA423896, N24051, N32340, N66204, AA405729, AA507484, AI374680, AA489431, AA157554, AA147501, N35409, AA505515, AA489372, AA127433, N55519, H15112, AA173145, N57433, AA471177, AW401453, N63852, T78215, AA857801, N52066, H09309, AA780883, AL079771, AA356048, AA769879, AA173273, R25268, AA127432, R46621, AI707462, AA807765, AI423315, AA877529, AA836375, AA352973, AA148410, H85254, AA356047, AA326793, AA678778, R53945, AA278977, N99204, AA335034, R07396, AA423831, AA367574, AA715745, H84922, AI762734, R07347, F05138, AA058460, AW339712, AI701737, T29480, AA995682, AI815735, N48041, AI362375, N35874, F01382, AA329166, AA295203, AI476572, AA370912, H15111, AW182730, H09397, AA772378, AA158205, AA564008, D19907, AW161156, AI540674, AI918449, AW020406, AI587121, AL041150, AW020397, AI491904, AI564716, |

AI923989, AW021717, AW410302, AI224373,
AI307557, AA464646, AW020592, AI289310,
AI623941, AI859991, AW236692, AI609760,
AI879064, AI267185, AI567582, AL042753,
AW020095, AI811603, AI621341, AI311472,
AL038986, AI049850, AI927233, AI656188,
AI560722, AA806534, AA502794, AI350489,
AI679506, AW020710, AI961414, AI633383,
AI580214, AL048871, AI349012, AI521005,
AL079963, AL036705, AI525653, AI581033,
AI590943, AI758445, AA580663, AI432570,
AA641818, AI589428, AW192109, AW051059, F28295,
AI242248, AI741158, AI499963, AW102798,
AW021066, AW084056, AW057937, AW148876, R36363,
AI638644, AI537677, AI434731, AW148478,
AI141727, AW020373, AL048323, AI432507,
AW169784, AL048340, AI382313, AI587209, N22276,
AA514684, AI282268, N29277, AI538764, AI440263,
AW020419, AI587000, AW160905, AW162194,
AI273856, AI491710, AI891125, AW151136,
AI536685, AI499279, AL079799, AI860027,
AW129106, AI697236, AI797538, AI458588,
AI348901, H41759, AI500061, AI372009, AW327825,
AW022168, AA455772, AI699865, AW020629,
AI002285, AI279925, AW085350, AI241901,
AL138406, AL046466, AI281757, AI270295,
AI632036, AI471282, AI500514, AW073996,
AI872423, AI950892, AI341690, AW051088,
AI890907, AI624245, AI524654, AI633125,
AI472484, AW265582, AI698391, AI538564,
AL036361, X15653, Y09008, A64377, AC007637,
X89398, AC010582, Y08975, X99018, U55041,
AL110292, X92986, X79093, A64383, AB016226,
AL133637, I89947, U49908, E01614, E13364,
I48978, AF175903, AL050024, AL122050, AL137529,
AL137533, A08910, A08909, AL117460, AF026124,

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| | | | | AF145233, A08908, Y11254, AL133560, AF082526, M85164, X70514, AL049996, AL050172, AJ005690, AR038854, AL110296, AF090900, AL080156, AF118090, AL137258, A08913, AF094480, I08319, U91329, J05277, AL049283, AF087943, A08912, AF146568, AF113690, AL133080, U42766, S76508, AL137523, AL035407, AL117587, AL133623, X82434, E06788, E06790, E06789, AF061795, AF151685, AF177401, AL137480, AF031147, AL137459, M96857, AL133568, AL137550, A91160, AL137539, AB031064, A08916, E05822, AL133640, AL049347, AL050277, AF118094, X06146, Y09972, E12747, A21103, AF159148, S36676, X99257, X60786, Y13350, AL137530, A76335, AR038969, AF111851, X63162, AF079763, AF111849, AL137574, S77771, S83440, S68736, A08911, AL080118, A18777, AL122110, AF061943, X67688, Y16645, AL110218, AF113699, AF069506, AF141289, U86379, I48979, AJ010277, I89931, A77033, A77035, AF017790, Z72491, AL117457, AL133606, D16301, I89934, I49625, A08907, L04849, AF065135, AF081366, S69385, AL133016, AJ003118, AL096728, AL050280, U55017, AL110199, AL110269, A15345, AL117648, AL049324, A07588, AF067728, A65341, Z13966, Z82022, X86693, AL122093, Y07905, AL117435, AR034821, AL137555, U35846, L04504, Z97214, X98066, AR020905, L13297, AL049339, AL137560, AL110221, X59414, AF158248, AL110228, AF106657, AL080148, AJ006417, AF008439, X83508, S78214, AC006112, AF061981, AR013797, L04852, X76228, X66862, AL137478, U02475, Y10936, AL110197, AL133112, AF016394, M27260, AL023657, AF125948, AL110225, AL137488, AL096751, Z35309, A18788, AF115410, E01573, E02319, I33391, AL049430, X89102, M85165, AL137479, AC002467, AL122049, AF118092, AL117416, U95114, X92070, AL137254, AL080074, |
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| | | | | AL050116, AF026008, AF039138, AF039137, AL049452, I32738, A23630, AF077051, AL110159, X63410, Y10655, S63521, AL049300, A86558, AF090943, X79812, AL110196, AF176651, X84990, AB007812, E01314, Z37987, AL133075, A07647, AF124728, AF036268, AL122045, I66342, AL050146, AL137485, AL133113, AL133619, AF102578, X96540, AR011880, AR053103, AC004878, Y10823, AI140058 |
| 1427 | HFIUZ10 | 876309 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 865 of SEQ ID NO:1427, b is an integer of 15 to 879, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1427, and where b is greater than or equal to a + 14. | AI148053, AA449704, AW080161, AA580334, AA448557, AI453006, AA863038, AI277552, AA723892, AI282002, AA879085, AI282089, AA928469, T81791, AA258329, AI271667, R02362, T82108, H66854, AC004080, M74297 |
| 1428 | HDPJE43 | 876322 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 507 of SEQ ID NO:1428, b is an integer of 15 to 521, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1428, and where b is greater than or equal to a + 14. | AA305011, M73047, X81323, U50194, A58393, M55169, A58395 |
| 1429 | HWLWR2 2 | 876326 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AW291224, AA027791, AI826645, AI970074, AI859242 |

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| | | | the general formula of a-b, where a is any integer between 1 to 292 of SEQ ID NO:1429, b is an integer of 15 to 306, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1429, and where b is greater than or equal to a + 14. | |
| 1430 | HCRNJ16 | 876327 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 731 of SEQ ID NO:1430, b is an integer of 15 to 745, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1430, and where b is greater than or equal to a + 14. | AL135311, AA576997, N33567, AI239529, AI474303, AW242213, AA665114, AI003594, AA983676, AI832948, AA890557, AA251288 |
| 1431 | HPRAZ22 | 876330 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 917 of SEQ ID NO:1431, b is an integer of 15 to 931, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1431, and where b is greater than or equal to a + 14. | AA634082, AA663929, AW451471, AW451304, AA700185, AA780866, AA634109, AA974089, AI422746, AI422171, AW117387, AI352179, AI934740, T29406, AA581945, N51197, AI813713, AW274227, AA884819, AI418378, N71535, AI250177, AI479657, AI491976, R70651, AA864343, AW051516, C01561, AA926708, AA595570, AA913798, N47990, AA927688, AA465663, AW008553, AI735695, AI014415, AW086054, AA731995, AI631350, N68464, AA688150, N66020, AI422914, R68953, AW380659, AI831007, AI057418, R24219, AW401518, AI476095, AI492721, AA805457, AW392708, AA040547, N52290, AW362897, D57651, AI814638, R46574, R24220, AA769734, D56634, R74511, D57409, N91308, R78553, R77666, R46649, AI351922, R63467, AW090402, H80687, AI567650, R70873, T83969, |

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| | | | | AA370839, R23184, R68106, H04104, R78403, R68836, D56912, D56797, F01477, R23183, N30106, D56629, R68150, AI699279, R70543, R82008, N45543, R48545, D56817, AI276541, AI908540, R77667, R78505, R63400, AA459439, N26395, R69802, M28697, M90727, M31932, I07269, J03619, M90735, M28696, M31933, X52473, M31934, M31935, X17653, L08108 |
| 1432 | HWLQG81 | 876333 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 350 of SEQ ID NO:1432, b is an integer of 15 to 364, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1432, and where b is greater than or equal to a + 14. | AA832206, AA974370, W46279, AW196653, AI023212, AA464174, AI420451, AI948608, AI890342, AA114888, AW300598, AI129358, AA669095, AA504203, AA521314, AA252310, AA280044, AA165321, AI718165, AI765613, AI797687, AA877638, N69756, AI831132, AI027401, AI701050, AA863081, AI807828, Z40146, AA995204, T71333, AI935316, Z19443, AI918466, F00129, Z28882, D57019, AL047889, AW369458, AA743770, AL047888, AW025464, D54675, AW149925, AW302960, AL036802, AA504439, AI927755, AL041772, AW163823, AW162194, AI866608, AL036274, AL041562, AL119863, AW238730, AL045500, AI699865, AI909697, AI340519, AI537677, AL110306, AI433157, AI698391, AI929108, AW026882, AI620284, AL079963, AI254727, AA640779, AI349645, AA613907, AW051088, AA572758, AL038505, AI699011, AI590043, AW129264, AL037454, AW059828, AW269098, AW268251, AW161156, AI064830, AL039086, AW020693, AW268768, AW300782, AI349933, AL036403, AI340603, AI581033, AI923989, AL119828, AW082113, AW300889, AL119791, AI309401, AW172745, AL036396, AL048656, AI349598, AL041150, AW020397, AI589428, AI783504, AI284517, AW161579, AW198075, AI567351, AL047344, AI813914, AL080046, AW089572, AI610293, AI753683, AW074993, AL079960, |

AL040169, AW268253, AI500659, AI950892,
AI312152, AI815232, AI500523, AI468872,
AW160916, AW162071, AI349937, AL036638,
AI348897, AI345180, AW150578, AI625464,
AW302965, AL047042, AI252414, AW080402,
AI802542, AI633125, AW087445, AI868931,
AI348901, AW071417, AI864836, AL036673,
AW301300, AL037582, AL037602, R36271, AW161202,
AI270183, AI521012, AI312428, AW023859,
AL118620, AW163554, AL135022, AI702073,
AL046931, AI610645, AI539771, AI349614,
AL038605, AI343112, AW302992, Z99428, AI866770,
AI473536, AI499963, AL080045, AI560012,
AI366549, AL121014, AI567582, AI345735,
AL043355, AI801325, AI815855, AL038779,
AL119748, AL036980, AI889189, AL134830,
AI890507, AW068845, AI612885, AA579618,
AI636456, AI866820, AI564719, AL119049,
AI358701, AI497733, AL121365, AA528822,
AI754897, AI091468, AI500662, AI440263,
AL040241, AI472536, AW022808, AI697324,
AI251221, AA493647, AI538850, F37471, AW301409,
AI884318, AI860783, AI624293, AI345688,
AL036146, AL039716, AW074869, AI307543,
AL047100, AI335426, AI348777, AW071362,
AL037030, AI569583, AI475371, AI635492,
AI349256, AW075207, AI673363, AI343037,
AW403717, AI669864, AW020419, AW149236,
AL036901, AI682841, AI859991, AL120695,
AI613038, AA580663, AI568114, AL119399,
AI537837, AI683395, AL040456, AL036240,
AI536685, AI307604, AL036631, AI538716,
AA641818, AC002350, AL096744, I48979, U35846,
I89947, AL122050, I09499, I48978, Y16645,
AL110196, AL117457, U87620, AF090903, Y11587,
AF177401, AF090943, E07108, AL133075, AL050116,

AF090901, AL122093, AF100931, AL137550, M27260,
AF090900, A08916, AL133606, AF078844, AL137538,
A08910, AL049382, AF146568, AF090934, A65340,
AL137271, AF183393, S78214, AL133565, A77033,
A77035, AL133640, A08909, AL133016, A08913,
AF113019, AL133557, I89931, AL050149, AF113013,
AF090896, X70685, AF113691, AL137488, AF079765,
AL133560, AF079763, AL137533, AF104032,
AF113694, AF125949, AF017152, AF097996,
AL049938, AL137557, AF031147, AF125948,
AL050146, AL117435, U42766, I00734, AB019565,
AL049300, AL049283, E05822, E00617, E00717,
E00778, E12747, AL080124, AR013797, AF067728,
AF087943, AL049452, AL110221, X63574, AL050277,
AF113690, AL133080, I33392, U58996, AL122100,
AL096720, E02221, AF091084, E02349, AL137548,
AL137480, AL122110, AJ000937, AL049430,
AL137459, L31396, AL137527, AL050393, L31397,
AF106862, AR011880, AB016226, AL050024,
AL117460, AL050108, E01614, E13364, A58524,
A58523, AF017437, AF118064, A65341, AF118070,
AL137478, I49625, AF111849, S68736, X72889,
AL080060, AR038854, AF118090, AF113676,
AL133113, AF057300, AF057299, AL080148,
AF113699, AL050172, Z82022, AJ242859, X84990,
AL080234, A03736, AF032666, A93016, AL137283,
AL049466, E06743, AL049314, AF111851, AF158248,
A08908, AF061943, AL133067, AL122098, AL137529,
AL122121, AL137479, U72620, AF113689, X79812,
Y11254, AR059958, AF106697, U80742, AL122123,
A08912, A12297, AL137521, AF102578, AJ005690,
E07361, X82434, AJ238278, AL023657, AL110225,
AF113677, AF153205, AF026124, AL096751, U68387,
AL137294, S61953, AF118094, AL117583, Y09972,
A86558, A07647, AL080137, AB029065, AF067790,
D83032, AF100781, X80340, AF210052, A18777,

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| | | | | AF159615, AL117649, AL080158, Z37987, AL050138, U91329, X83508, AL137526, X87582, U92068, AL117416, U96683, AL137658, AL133568, AF185576, AL117394, AL050155, A21103, A08911, AL133093, D16301, AL137292, AF081197, AL080074, AR020905, AL080159, I17544, AF090886, Y14314, U78525, X65873, AL110218, AF119337, E03348, AF126247, U95114, U67958, AF065135, AL137560, AL133665, AL137558, AL050092, AJ012755, AF081195, A15345, X81464, AL049464, AL117585, AL110222, AL050366, A18788, AL137463, AL137429, AR038969, X63162, AL110197, AF061795, AF151685 |
| 1433 | HOENU48 | 876334 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2579 of SEQ ID NO:1433, b is an integer of 15 to 2593, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1433, and where b is greater than or equal to a + 14. | AA521311, AA521314, AW300598, AI051218, AI631949, AA669095, AW298550, AA278335, AI694270, AW339489, AI797687, AA464762, AI948608, AI807828, AA810071, AA804200, AI718165, AA662808, AA504439, AI129358, AI632884, AI215774, AI299255, AA452985, AI765613, AA114888, AI348428, AA114887, AA504203, AI129632, AI701050, AI890342, AA256836, AI023212, AI935316, AA974370, AA252310, AA831496, AA705444, D57415, AA464174, AA280044, Z44155, Z25261, D54675, AA165321, T71333, AI420451, AA973497, N69756, T71487, W46279, AA877638, AI027401, AA255623, AA863081, AW196653, H47827, AA832206, AA995204, AA252340, Z28882, W46278, T48511, Z40146, AI831132, AA743770, D57019, AA344612, T84473, N87679, AI918466, Z19443, F00129, D56990, AI351209, AL047889, AW369458, AL047888, AC002350, D82786 |
| 1434 | HOUDK26 | 876335 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1038 of | H20994, H45211, H45368, H40040, H45293, H45192, AA205743, T24020, T90417, H20955, R70326, AF075043, AC004755, AC005516, AC005519, AL049836, AL080243, AC007358, AC004106, AC008394, AC005234, AC007546, AC005089, AL031597, AL031056, AC003690, AC005523, |

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| | | | SEQ ID NO:1434, b is an integer of 15 to 1052, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1434, and where b is greater than or equal to a + 14. | AC002316, AC004861, AC002472, H30375 |
| 1435 | HODDG78 | 876340 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 651 of SEQ ID NO:1435, b is an integer of 15 to 665, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1435, and where b is greater than or equal to a + 14. | AW247764, AA442668, AA491177, AW248120, AL048314, AA479828, AA421873, AW248094, H75462, Z42343, F06148, AA923747, F06007, AI445056, R14715, F13060, AR025386, X86779 |
| 1436 | HAMFP80 | 876345 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1090 of SEQ ID NO:1436, b is an integer of 15 to 1104, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1436, and where b is greater than or equal to a + 14. | AI219740, AI478566, AI632246, AA279757, AA977612, AA716656, AA687260, AI801069, AA071046, AI985849, AW370598, AA630617, AW370599, AW370625, AA134295, AW390691, AI990289, AA134294, AA428452, AI143764, D30955, AW370620, AA352142, AA074442, T83462, AW071043, T79236, AI744728 |
| 1437 | HWHQB10 | 876354 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 345 of | H40868 |

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| | | | SEQ ID NO:1437, b is an integer of 15 to 359, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1437, and where b is greater than or equal to a + 14. | |
| 1438 | H2LAB47 | 876361 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 395 of SEQ ID NO:1438, b is an integer of 15 to 409, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1438, and where b is greater than or equal to a + 14. | AA307985, AL044985, AA361756, AA016093, AA133547, AA046950, AF126424, AF106065, AF076838, AL122068, AJ001642, AJ131295, AJ004977, AF017748, AF098534, AF085736, AF106066, AC004993, AF098533 |
| 1439 | HJBAR28 | 876364 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 390 of SEQ ID NO:1439, b is an integer of 15 to 404, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1439, and where b is greater than or equal to a + 14. | AA355924, N83684, AA214701, H94179, AW298728, AI056829, AA278566, AA093069, T67190, AF092563 |
| 1440 | HCEFA76 | 876370 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 338 of | AL079827, AA503895, AB002353 |

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| | | | SEQ ID NO:1440, b is an integer of 15 to 352, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1440, and where b is greater than or equal to a + 14. | |
| 1441 | HCQBI31 | 876372 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 543 of SEQ ID NO:1441, b is an integer of 15 to 557, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1441, and where b is greater than or equal to a + 14. | AI491957, AA446825, Z42384, W86347, AC002064, T73581, T73682, T89320, T89957, R27248, R27450, R48643, H84547, H99963, N28347, N63131, N64745, N76150, AA047464, AA047398, AA086034, AA099567, AA099657, AA165569, AA169522, AA169441, AA173617, AA173616, AA169406, AA215775, AA251330, AA251391, AA258330, AA258494, AA258798, AA258704, AA258149, AA258122, AA419346, AA602860, AA622286, AA683139, AA683138, AA713685, AA743062, AA807661, AA825739, AA825993, AA828448, D78955, N87351, AA165525, AA210972, AA211395, AA416558, AA845854, AA971491, AA985073, AI023629, AI073499, AI090846, AI092089, AI093295, AI096814, Z41403, Z45751, AI302012, AI357671, AI367709, AI367710, AI201715, AI202745, AI445483, AI433348, AI478813, AI146981, AI151439, AI184769, AI658554, AI521058, AI537563, AI301471, AI634487 |
| 1442 | HTEGD78 | 876374 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 554 of SEQ ID NO:1442, b is an integer of 15 to 568, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1442, and where b is greater | AI811832, AI732557, AA151182, AI610370, AI672898, AI874058, AI758608, AL079276 |

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| 1443 | HCYBN59 | 876376 | than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 640 of SEQ ID NO:1443, b is an integer of 15 to 654, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1443, and where b is greater than or equal to a + 14. | AA305677, D80212, D80248, D80268, C14331, D57483, D80227, D59927, D80269, D80133, D59619, D80210, D80240, D80378, D80166, D80219, D81026, D80439, C14389, D80157, D81030, C14429, D80522, C15076, AA305409, AW178983, D80195, D51060, D80022, D80366, D59859, D59502, D51423, D51799, D80253, D80045, D59467, C14014, D58283, D80188, D80391, D80164, D59787, D59275, D80043, AA514186, D59889, D59610, D80193, D80196, D80251, D51022, D50979, D80024, D50995, AW377671, AA305578, D59373, D80038, D80302, AA514188, D80241, AW360811, D80247, AW177440, AW178893, AW352163, D51759, AW375405, T03269, C75259, D80258, AW178906, AW179328, AW366296, C05695, AW360844, AW360817, AW375406, D51103, AW378534, AW179332, AW377672, AW179023, AW178905, AW377676, AW378532, C06015, D80132, D80134, AW177501, D59653, AW177511, D80949, D59627, AW352171, AA809122, AW352170, AW177731, AW178907, AW378528, D59503, AW178762, AW179019, AW179024, D58253, D51250, AW176467, AW367967, AW360841, AW177505, AW179020, T48593, AW178775, AW360834, AW178909, AW177456, AW369651, AW352158, AW179329, AW178980, AW178914, AW177733, AW178908, AW178754, AW179018, D80014, D80064, AI557751, AW352117, AW178774, D45260, AW352120, D51213, AW179004, C03092, D51079, F13647, AW179012, D80168, AW378525, C14344, D59695, AW378543, AI525923, AW352174, AW177728, H67854, N66429, AW179009, D80228, D81111, AW367950, AW178911, AW177722, AI910186, AW378540, H67866, C14077, T11417, AW178781, AI905856, C14407, AW177508, D58246, AI525917, AW360855, C14227, D58101, D51221, T03116, AW178986, AW177497, T02974, Z21582, AI535850, |

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| | | | | D59317, D59474, AW177723, D45273, C14973, AI525920, AW378533, AA514184, AI535959, C14957, AW177734, D60010, AI535686, C14298, AI557774, D59551, AI525235, C14046, T03048, D60214, AI525215, AI525227, AI525912, AW378539, D51097, AI525242, AA285331, D50981, AW179011, D51053, AW378542, AI525925, AI525222, C05763, C13958, C16955, Z33452, Z30160, AA305720, A62298, A84916, AR018138, AR008278, A62300, A82595, AB028859, AJ132110, AF058696, Y17188, X67155, D34614, A67220, A45456, AR060385, AB002449, D26022, A25909, A94995, Y12724, D89785, A78862, A30438, AR008443, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR060138, X82626, A26615, AR052274, A43192, A43190, AR038669, I82448, I14842, Y09669, AR066487, Y17187, X68127, AR025207, AR054175, D50010, A63261, AR066490, AR008277, AR008281, I18367, U46128, AR008408, AR062872, AR016691, AR016690, A70867, A64136, A68321, D13509, AR060133, AB012117, I79511, U79457, AF123263, AR032065, T52855, T56234, T65208, R26874, R49147, R49147, R56838, R63286, R68208, R68209, R76931, H08236, N21262, N23372, N32910, N42052, N47538, N63310, N63321, W00634, W46981, W47082, AA043968, AA043955, AA046699, AA057059, AA058538, AA102644, AA131696, AA131540, AA186895, AA188518, AA494518, AA632935, AA714553, AA741529, AA767851, AA808213, AA812138, AA847682, AA938741, AA995568, AI000554, W00650, AA477265, AA779560, AA868920, AA969270, AA936409, AI023812, AI093513, T25142, F02925, T52854, F09719, AI274698, AI285351, AI346806, AI469317, AI478311, AI540692, AI478825, AI144017, AI160890, AI625377, AI610977, AI291591 |
| 1444 | HCYBC31 | 876379 | Preferably excluded from the | AA305023, AI352123, AI245481, AI909228, AI915162 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 885 of SEQ ID NO:1444, b is an integer of 15 to 899, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1444, and where b is greater than or equal to a + 14. | |
| 1445 | HCQBM44 | 876380 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 351 of SEQ ID NO:1445, b is an integer of 15 to 365, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1445, and where b is greater than or equal to a + 14. | |
| 1446 | HKCSP75 | 876381 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 362 of SEQ ID NO:1446, b is an integer of 15 to 376, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1446, and where b is greater than or equal to a + 14. | |
| 1447 | HKCSP84 | 876382 | Preferably excluded from the | AC000402, AC002322 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 289 of SEQ ID NO:1447, b is an integer of 15 to 303, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1447, and where b is greater than or equal to a + 14. | |
| 1448 | HPMFF45 | 876383 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 511 of SEQ ID NO:1448, b is an integer of 15 to 525, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1448, and where b is greater than or equal to a + 14. | R52326, AL110125 |
| 1449 | HE2CT52 | 876385 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 605 of SEQ ID NO:1449, b is an integer of 15 to 619, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1449, and where b is greater than or equal to a + 14. | H74219, AA315682, AA904381 |
| 1450 | HTNBJ76 | 876386 | Preferably excluded from the | AW083135, AA808057, AI745495, AA599616, T36219, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 302 of SEQ ID NO:1450, b is an integer of 15 to 316, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1450, and where b is greater than or equal to a + 14. | AI918013, AA937922, AI591300, AI868123, AI041990, AA342254, T33591, D44838, F16827, AI360911, R11202, D25779, AI521589, AA076707, AI978792, AW068394, AA347093, AA323085, AA359192, AI446474, F17700, AL045709, AA077776, AI633427, AA533408, AA558298, AA835710, AA330573, R87547, AI151261, AI370475, AA297968, AI699060, AI114477, T92957, AI952780, AA972238, AA857296, AA663306, W23546, AW268277, AA643261, AI251111, AL042113, F26719, AA825357, AI132963, T47739, AI538812, AA548087, AA425924, AI890385, AA485716, AI538540, AA828762, H05073, AW419262, AW193493, AA527730, AI865988, T78484, AA468051, AW272763, AI049996, AI801141, AI913324, N84161, R82388, H82895, AW451360, AI053786, AI148927, AI445592, AI042342, AA487219, AA384039, AA572960, AL046782, AA487079, AI754013, AA492313, AI923011, C13960, AW271904, AI753951, AA634209, AI755085, AA614010, AA235575, AW238016, AA467988, AI791150, AI623899, AA063139, AI114752, AA362395, AW407340, AA935377, AI859946, H73174, AA775049, AA581914, AI634323, AI470956, AW419081, AI979005, AI671035, AI952900, AA708678, AA311071, AA814510, AA743989, AI696901, AI754923, AA663701, AA357307, AI859834, T52783, T65812, AI755236, AI475332, AL120976, AI915081, AA569182, AA664135, AA831904, AA526656, AW189278, AA569743, AA632845, AA714956, AA664789, AA525209, AA507625, AI252506, Z36239, AI241705, AA776552, H55878, T80500, AW176024, AI261913, AI275742, AL037910, AA829033, AC004084, AC004253, AC018767, AC006120, L78810, AC007055, AL031055, AC002400, U62317, AC005288, AL035587, AP000355, AC005341, AL021391, AL049780, AC005209, AL035455, AL034379, |

AL035450, AL121655, U76377, AF029750, Z82172,
AL109827, AC005184, AC005778, AC006958,
AC005071, AL031257, AC009286, AC006132, Z82214,
AL035687, AC006146, AC004993, AL031295,
AL049611, AF001549, AC006115, AC005670, Z98257,
AC004815, AL121748, AL121603, Z85986, AL034421,
AC005015, Z49258, AC007860, Z84572, AP000030,
Z97200, AC002073, AL031767, AC004837, AC005666,
AF196969, AC005339, AC005011, AL035458,
AF111169, AC004797, AC005800, AL031846,
AL121652, AP000459, AL024498, AC006160,
AC002045, AC002472, AC002558, AC004485,
AC005225, AF190465, AP000112, AC006501,
AC005624, AC005081, AC005726, AC006026,
AP000513, AC005911, AL049552, AF045555, Z99943,
AL031659, AL050307, Z97630, AL031054, AC004821,
AC007406, AP000140, AC005306, AL049557,
AC005088, AL109967, AC007437, AP000036,
AC007536, AC007899, AC007114, AF042090,
AC005480, AC006547, AC004386, AC004876,
AC005251, AC003041, AL022316, AC005378,
AL080242, Z85987, AC006965, AC007021, AC003104,
AF134726, AC006013, AC006064, AL096774,
AB020866, AP000133, AP000211, AC006049,
AF064863, AC007993, AL031311, AF015262,
AL035697, AF205588, AC005231, AC007151,
AL034547, AC007488, L44140, AL021546, AC006299,
AF146367, Z98036, AP000144, AL031282, Z99128,
AF053356, AL133243, AL035451, AC007283,
AC002996, AC005082, AC010582, AL031589,
AL034420, AP001054, AL132985, AL034451,
AC006116, AF118808, AC006380, AC007298,
AP000065, AC002316, AP000088, AC005786,
AC000003, AC005598, AC005663, AC006978,
AL031733, AC004050, AC002538, AC005284,
AP000216, Z93241, AC007227, AL049845, AC004849,

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| | | | | AP000474, AC006344, Z75744, AC007390, AL049795, AL022721, U91321, AC005808, AC004448, AC010197, AP000517, AL031291, AL021808, AC005366, AL031681, AC003982, AC005874, AF134471, AL132712, AC004647, AL078593, AC007565, AC005751, AL031594, Z82206, AL031286, AP000959, AC004000, AC007510, AC006530, AC005280, AC007649, AP000230, AC005971, AC006480, AL022165, AC002364, AL132992, AC006323, AC004020, AC005821, AF006501, U63721, AC005799, AL050312, AF038458, AL021397, U95742, AL031121, AF124523, AC004227, AC003101, AL022323, AF019413, AJ229043, AJ003147, AP001037, AC006285, AC009464, AC006039, AC005048, AC002377, AP000692, AC005245, AC006597, AC002365, AL049643, AL050318, AC005057, AC002115, AC007221, AC004814, AC004111, AL035462 |
| 1451 | HE9ND38 | 876387 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 351 of SEQ ID NO:1451, b is an integer of 15 to 365, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1451, and where b is greater than or equal to a + 14. | AA334551, AA307537, AF002996 |
| 1452 | HPIAK40 | 876395 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 756 of SEQ ID NO:1452, b is an integer of | AI902815, AI910057, AI902293, AR062079, E05133, A14565, I19407, E05330, E05331, E05332, A27627, E05329, E03742, E06073, I19413, I19414, E15669, AR028747, A58083, E17345, I12374, AR062080, E17343, E17344, E05159, E05147, E05139, E05134, I57961, E05162, E01336, I12376, E17339, E17340, E17341, E17342, A37179, E05144, E05135, I21469, |

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| | | | 15 to 770, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1452, and where b is greater than or equal to a + 14. | E05152, E05153, I21461, I90026, E05143, A14547, I21454, I31067 |
| 1453 | HHPGD10 | 876397 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 548 of SEQ ID NO:1453, b is an integer of 15 to 562, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1453, and where b is greater than or equal to a + 14. | AW361614, AB023235 |
| 1454 | HCQBI47 | 876398 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1753 of SEQ ID NO:1454, b is an integer of 15 to 1767, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1454, and where b is greater than or equal to a + 14. | AA527356, AI093930, AI635756, AW150892, AW340249, AI683004, AA574295, AA578334 |
| 1455 | HE8DW67 | 876399 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 386 of SEQ ID NO:1455, b is an integer of | AA308646 |

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| | | | 15 to 400, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1455, and where b is greater than or equal to a + 14. | |
| 1456 | HONAH83 | 876400 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 998 of SEQ ID NO:1456, b is an integer of 15 to 1012, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1456, and where b is greater than or equal to a + 14. | N44636, AW292774, AA398365, H29990, R92869, AA403200, N44265, AA362919, AI914181 |
| 1457 | HHGCW95 | 876401 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 623 of SEQ ID NO:1457, b is an integer of 15 to 637, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1457, and where b is greater than or equal to a + 14. | AA573757, AA161293, AA524449, AI742214, AA622626, W96506, AI476586, W96473, AA570007, AI216739, AW168439, T06973, AI268257, AI702993, AA502262, AI911816, AI796804, AA480659, AA552367, AI709265, AI809403, AI445236, AA552072 |
| 1458 | HCYBI75 | 876402 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 528 of SEQ ID NO:1458, b is an integer of | AA305438, AA056382, AW188096, AA308744, AI702438, C14389, D59927, C14331, D80022, D50995, D80166, D80212, D80391, AW178983, D59787, D59619, D80210, D80240, D80045, D80268, D58283, D81030, D80196, D59467, D51022, D59859, D51799, D80227, D80195, D51423, D80164, D59275, D80253, D80043, D59502, AA305409, D80219, |

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| | | 15 to 542, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1458, and where b is greater than or equal to a + 14. | D80269, D80248, D81026, D80366, D80188, D50979, D80522, C14429, C15076, D59610, AA305578, D51060, D80193, D57483, D80038, C14014, D59889, D80133, D80024, AA514188, AA514186, D80439, D80378, AW360811, AW177440, D80247, D80241, D80302, D80251, AW178893, T03269, AW377671, AW375405, D80157, AW178906, AW179328, AW366296, C75259, AW360844, AW360817, AW375406, D51103, AW378534, D51759, AW179332, AW377672, AI139921, AW179023, AA056479, AW178905, AW378532, C06015, AW352170, AW177501, AW177511, D51250, C05695, D59373, D80132, AW352171, AW377676, AW177731, AW178907, T48593, AW378528, AW178762, AW179019, AW179024, D80134, D59653, D58253, AW176467, D59627, AW367967, AW177505, AW360841, AW369651, AW179020, AW178775, AW178909, AW177456, AW360834, AW179329, AW178980, AW178914, AW177733, AW178908, AW178754, AW179018, AW352158, AW352117, D45260, AW178774, D58101, D59503, F13647, AW352120, AW179004, AW179012, AW378525, AW352163, T11417, D80949, H67854, D80168, C03092, AW378543, AW352174, H67866, AW177728, AW367950, AA809122, AW179009, AW178911, C14344, AW177722, D51213, AW378540, AI910186, D80228, AI525923, D80064, AW178781, D80258, AI905856, C14227, D45273, C14973, C14046, T03116, AI525917, D58246, D81111, D59317, D80014, AA514184, AC004510, AC002384, U95626, AC006013, U88897, AC003013, AL050339, AC005145, AC004768, AL139054, AC005090, AC002530, AC006364, AC007207, AL121879, Z56740, AF058696, A84916, A62300, A62298, AB028859, AJ132110, AR018138, AR008278, A82595, D26022, AR060385, AB002449, X67155, A25909, AC004791, Y17188, A94995, Y12724, A67220, D89785, A78862, D34614, AR008443, I50126, I50132, I50128, |

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| | | | | I50133, A43192, A43190, AR060138, D88547, AR066488, AR016514, A45456, I14842, A26615, AR052274, I82448, AR038669, X82626, Y09669 |
| 1459 | HCRMK04 | 876404 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 517 of SEQ ID NO:1459, b is an integer of 15 to 531, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1459, and where b is greater than or equal to a + 14. | AI057537, AI862687, AI686128, AW002455, AA875951, AI783596, AI050998, AI273307, AI374905, AI224513, AA460225, AI042000, AI610450, AI829581, AA775736, AI364904, AI698790, AA844090, R71519, AI860091, AI523843, AI767012, AI473515, AI350561, AW188551, AL119399, Z99396, AL119324, AL119457, AL119443, AL042544, AL134524, AL036418, AL038837, AW392670, AL037051, AL036725, AA631969, AW372827, AL039074, AW384394, AL119497, AL119418, AL036858, AL134920, AW363220, AL036924, AL119483, U46341, AL119319, AL038509, AL039564, AL039085, AL119396, AL039156, AL039108, AL039109, AL039128, AL119484, AL119363, AL119341, AL119391, AL119355, AL119335, U46350, AL119522, U46349, U46351, AL119496, AL037094, AL037526, AL039659, AL036196, AL036190, AL037639, AL042965, AL038531, U46347, AL042614, AL037085, AL1194444, AL036767, U46346, AL037082, AL042975, AL1194464, AL037205, AL119488, AL134533, AL119439, AL036268, AL039625, AL039648, AL045337, AL038520, AL134538, AL036238, AL134518, AL042984, U46345, AL038447, AL042909, AL039678, AL039629, AL134527, AL042433, AL039386, AL042551, AL134531, AL039423, AL037077, AL042970, AL043029, AL042450, AL043011, AL043019, AL037615, AL038851, AL042542, AL036998, AL036733, AL037178, AL043003, AL036765, AL036719, AL037027, AL039410, AL036679, AL036774, AL037021, AL036191, AR060234, AR066494, A81671, AR023813, AR064707, AR069079, AB026436, AR054110 |

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| 1460 | H2CBF13 | 876405 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 593 of SEQ ID NO:1460, b is an integer of 15 to 607, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1460, and where b is greater than or equal to a + 14. | AA307313, AA312913, AI203434 |
| 1461 | HKCSO44 | 876408 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 107 of SEQ ID NO:1461, b is an integer of 15 to 121, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1461, and where b is greater than or equal to a + 14. | |
| 1462 | HWLKU83 | 876409 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 692 of SEQ ID NO:1462, b is an integer of 15 to 706, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1462, and where b is greater than or equal to a + 14. | AW014464, AA693558, N74561, AI024015, AA332850 |

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| 1463 | HE9RM22 | 876418 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1751 of SEQ ID NO:1463, b is an integer of 15 to 1765, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1463, and where b is greater than or equal to a + 14. | AI492422, AI357898, AW296940, AA931635, AW296456, AI038836, AI265919, D59291, AA694009, AA700680, H06163, H66881, R23681, T86478, T86479, H81425, AI016343, Z38898, T16577, Z42746, Z42275, T89377 |
| 1464 | HCRPQ93 | 876419 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 461 of SEQ ID NO:1464, b is an integer of 15 to 475, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1464, and where b is greater than or equal to a + 14. | |
| 1465 | HPDDL36 | 876420 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 184 of SEQ ID NO:1465, b is an integer of 15 to 198, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1465, and where b is greater than or equal to a + 14. | AA366524 |

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| 1466 | H2CBM09 | 876422 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 500 of SEQ ID NO:1466, b is an integer of 15 to 514, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1466, and where b is greater than or equal to a + 14. | AA307727, AL121460, Z56847, Z57345 |
| 1467 | HKCAA10 | 876425 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 635 of SEQ ID NO:1467, b is an integer of 15 to 649, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1467, and where b is greater than or equal to a + 14. | AA192455, AW294111, AA707196, AI924499 |
| 1468 | H2CBI25 | 876426 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 465 of SEQ ID NO:1468, b is an integer of 15 to 479, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1468, and where b is greater than or equal to a + 14. | AA307505, AA360083 |

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| 1469 | HKISB80 | 876427 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 385 of SEQ ID NO:1469, b is an integer of 15 to 399, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1469, and where b is greater than or equal to a + 14. | AA718982 |
| 1470 | H2CBE84 | 876428 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 446 of SEQ ID NO:1470, b is an integer of 15 to 460, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1470, and where b is greater than or equal to a + 14. | AA307365, AW009512, AI609285, AI659851, AA301898, AI671626, AI818892, AW025713, AA490857, R40307, AA700491, AI273067, AA834371, AI368173, AW316631, C05075, AA480122, AA348046, D59610, AA089704, D80241, D59467, Z21582, D80212, D80045, D59859, D51423, D80188, D80166, D58283, D81030, D59619, D80210, D51799, D80240, D80253, D59889, D80195, D80038, D80022, D80219, D80043, D80391, D59275, D57483, D59787, D80227, D59502, D80366, D80196, D50995, C14331, D80164, D59927, D80269, D50979, D80024, D80193, D80378, C14389, C14014, C15076, AA305409, D51060, C75259, T03269, D58253, C04935, AW178893, F13647, D80134, D59695, D81026, D80268, D51250, D80522, D51022, D80949, AW179328, AW352158, AW378532, AW177440, AA305578, D80168, AW369651, D80248, D51079, D81111, D80251, C14227, D52291, AW178762, AA514188, C14298, D80133, AA514186, C14407, AW360811, AI557751, AW378540, D51097, C05695, AW375405, AW360834, AA285331, AW377671, D80132, AW366296, AW360817, AW375406, AW378534, AW179332, AW377672, AW179023, D80439, AW178905, AW179024, D80302, D59373, AW179020, AW177456, AW352171, AW377676, AW178906, AW352170, |

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| 1471 | HSEBD08 | 876431 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1993 of SEQ ID NO:1471, b is an integer of 15 to 2007, where both a and b | AA781174, AW242810, AI888669, AI572847, AW301246, AA773636, AA053054, AA112389, AA053397, AA699864, AA112388, AA974581, AI524767, AW377081, AW016549, D62897, AA954644, AA169505, AW377047, AA092662, AW362046, AA629163, S72869 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1471, and where b is greater than or equal to a + 14. | |
| 1472 | HPMFM22 | 876432 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 386 of SEQ ID NO:1472, b is an integer of 15 to 400, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1472, and where b is greater than or equal to a + 14. | R42236, AI268027 |
| 1473 | HDHEB14 | 876435 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1264 of SEQ ID NO:1473, b is an integer of 15 to 1278, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1473, and where b is greater than or equal to a + 14. | AI913961, AA621915, AI768685, AW009951 |
| 1474 | HAIDH43 | 876436 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 461 of SEQ ID NO:1474, b is an integer of 15 to 475, where both a and b | AI744435, AA725348, AI910436, AA771917, AW275132, AI915670, AI217575, AA772389 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1474, and where b is greater than or equal to a + 14. | |
| 1475 | HJAAL27 | 876440 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1475, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1475, and where b is greater than or equal to a + 14. | AA354378, AA397949, AA007514 |
| 1476 | HA5AB14 | 876441 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1005 of SEQ ID NO:1476, b is an integer of 15 to 1019, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1476, and where b is greater than or equal to a + 14. | AI381990, AA523925, AI381991, AI673419, AA535262, AI990950, AW369662, AI272934, AI150565, AW316722, AI142707, AW338227, AA487031, AA486591, AI968726, AA614168, AA632457, AA122026, AA482527, AA512956, AA658276, AA541675, AA451748, AI677810, AI587642, N64192, AI250993, AA424310, AI905464, AA229168, AA122025, AL035541 |
| 1477 | HWLNS47 | 876444 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 843 of SEQ ID NO:1477, b is an integer of 15 to 857, where both a and b | AA279461, R59258, T80331, Z45041, F13132, T75390, AA099543, AA669197, H08922, H57648, AW304022, AA304745, W79474, AW118919, R59760, W86555, R18710, AF083033, AR028451, AF072860, Z84477 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1477, and where b is greater than or equal to a + 14. | |
| 1478 | HE8UJ03 | 876447 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2757 of SEQ ID NO:1478, b is an integer of 15 to 2771, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1478, and where b is greater than or equal to a + 14. | AW340972, AI763378, AI745530, AI400359, AA634799, AW373755, AA406542, AW008882, AI379597, AW373615, AI858439, AI380423, AI628029, AW074041, AI538874, AW189012, AA857364, D82303, AA224830, AA132792, AA224831, AA524982, AW364047, AI678604, AI142902, AA133068, D82445, H39906, AA593133, AA644624, AA888921, AA411736, AI992380, AI679729, AA904079, AA494400, AA577041, AI282492, AI640743, AW074288, AI535647, AA551421, AA336073, AA505483, AI469669, AI284099, AI284098, AI201463, AI872908, AI610272, AA829570, AI290109, AI903549, AI903561, AI611723, T11347, AI903513, AA337475, AI567336, AI925611, AW389340 |
| 1479 | HDTLK03 | 876448 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2051 of SEQ ID NO:1479, b is an integer of 15 to 2065, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1479, and where b is greater than or equal to a + 14. | AA442527, AW262626, AW391549, AW304931, AI669606, AI858160, AA085664, AA659697, AI632828, AA134338, AA984772, N22162, AA085613, AW197240, AW129348, W26560, AI311237, AI336661, AI343171, AW274348, AA581646, AI344929, AA935005, AI017643, AI335437, AA847210, AA730055, AW268074, AW089030, AI382955, AA662650, AW193002, AA648105, AI933533, AA782687, AA389680, AA334191, AW370221, AA373813, AI914719, N71529, AA186588, AW363311, AA373153, AA120820, D20893, AI557148, T24490, AA249060, AI741448, W73136, W73116, AI251367, AF086334 |
| 1480 | HMTBC69 | 876451 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | D50810, U62768, U62769, U32990, U76997, AJ131025, AJ131026, AJ131027, AJ131028 |

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| | | | the general formula of a-b, where a is any integer between 1 to 706 of SEQ ID NO:1480, b is an integer of 15 to 720, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1480, and where b is greater than or equal to a + 14. | |
| 1481 | HMUBP81 | 876452 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1153 of SEQ ID NO:1481, b is an integer of 15 to 1167, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1481, and where b is greater than or equal to a + 14. | AI279547, AI083565, AI804064, AA252212, AA306506, AI083894, AW183913, AI288218, AA973053, AA252213, AI440455, N23315, AI300175, AW152434, AI864289, AI217669, N32475, AA825339, AI564974, AA765563, N23439, AA234876, AA235303, T47445, AA311785, AI147554, AA738131, AI560760, AA993026, T90472, AA573442, AI279529, AA193637, H11688, AI937674, T47444, AA740441, D81882, H96821, T83136, AI219090, AA573498, AA371301, AA809694, AA193600, AA766413, AA258658, AA258659, C01339, AL008729 |
| 1482 | HAPOT58 | 876458 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2115 of SEQ ID NO:1482, b is an integer of 15 to 2129, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1482, and where b is greater than or equal to a + 14. | AL037788, AI686047, AI753484, AI636777, AI861877, AI935355, AI144560, AI192999, AI806026, AA081086, AI140416, N52261, AI984946, AI126835, AI375382, N31999, AI431922, AI000687, AA281546, AI354844, AW368199, AI806020, AI192995, AA432212, AI796776, AI765555, AI436119, N62465, AA416953, AI392798, AA504837, AA993835, AI942228, N74643, AA962052, N31979, H80204, AI340563, AW025654, W95677, AI373352, AA928965, AA505730, AA598619, AA281547, AA455805, AI373515, AA919147, AI879179, AI656682, AI350119, AI143974, AA283875, AI810436, AI761126, AA456624, AA931610, AI634994, AI149059, H58033, AA282093, AI762032, AI867892, W39405, W15216, AA456424, AI493979, W26521, AI418808, W95891, AA470851, N92893, |

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| | | | | H81006, AA136357, AA359333, N50738, AI309586, AA783008, AW293385, AA373138, AW363229, AI919006, T81361, W95965, AA283984, AA371258, AI589997, AA605260, AA370986, AI690377, AA359446, W73659, H78829, AA113788, AI761221, AI469943, AA609846, AI864350, W25612, R24652, AA360514, AI907228, AA831054, AA355628, H78428, AI473940, AA291183, AA745877, AA136269, T24969, AI693730, AA706077, N83393, AA070852, AI905829, AI587625, N88059, AW363223, AI559993, AA526788, AI216608, AW371352, AI634388, N79184, AW363222, AA594328, AA400847, AI209205, AA393670, H83189, AF161432 |
| 1483 | HCFLR18 | 876459 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 519 of SEQ ID NO:1483, b is an integer of 15 to 533, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1483, and where b is greater than or equal to a + 14. | AA807288, AL036653, AL036654, AI289925, AI291875 |
| 1484 | HDPAA38 | 876464 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 887 of SEQ ID NO:1484, b is an integer of 15 to 901, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1484, and where b is greater | AA873176, AA931378, AI218111, AI014843, AA379509, AL021155, AC004663, AC005379, AL096702, AF187320, AL117258, U95740, AC004797, Z95704, AC004636, AC005071, AP000952 |

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| | | | than or equal to a + 14. | |
| 1485 | HCYBM66 | 876465 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 768 of SEQ ID NO:1485, b is an integer of 15 to 782, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1485, and where b is greater than or equal to a + 14. | AA116082, AA305687, C14014, D80269, D80227, AA809122, AA305409, C14389, D80391, D59787, D80196, D58283, D59859, D80022, C14331, D80166, D80195, D59467, D51423, D59619, D80210, D51799, D80164, D59275, D80240, D81030, D80253, D80043, D59502, D80212, D80188, C15076, D80219, D59927, D57483, D80366, D80038, D50979, D59889, D80193, D50995, D80024, D59610, D80378, H67854, T03269, C14429, AW178893, D80241, D80045, AW179328, D51060, AW177440, D51022, C75259, AW378532, AW369651, AA305578, AW178775, AW178762, D51250, AW352158, D80134, AI910186, D80251, D81026, D80248, H67866, AW177501, AW177511, AA514188, AW360811, F13647, D80522, C14227, D58253, AW352117, AA514186, AI905856, D80133, AW176467, AW375405, AW352163, D80168, AW377671, AW377676, AW360834, AW366296, C05695, AW352171, AW360844, D81111, AW360817, AW375406, C14298, AW378534, AW179332, AW378540, AW377672, AW179023, AW178905, D80064, D80268, C14407, D80132, AW352174, AW178906, AW352170, AW177731, AW178907, AW179019, AW179024, D80439, U91321 |
| 1486 | HPWAY46 | 876469 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 877 of SEQ ID NO:1486, b is an integer of 15 to 891, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1486, and where b is greater than or equal to a + 14. | AC008122, AL021808, AC007649 |
| 1487 | HLTAH77 | 876470 | Preferably excluded from the | AI359524, AW003850, AI089719, AI359474, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1167 of SEQ ID NO:1487, b is an integer of 15 to 1181, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1487, and where b is greater than or equal to a + 14. | AI652055, AI948841, AI824819, R87348, F13369, T77492, Z43232, N50592, F11622, AA360610, F08357, AF035282 |
| 1488 | HWLXX39 | 876471 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 491 of SEQ ID NO:1488, b is an integer of 15 to 505, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1488, and where b is greater than or equal to a + 14. | AI879483, AA553761, AW363300, AW162358 |
| 1489 | HPTWG85 | 876472 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 637 of SEQ ID NO:1489, b is an integer of 15 to 651, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1489, and where b is greater than or equal to a + 14. | AI652564, Y17108, Z92544, Y17258 |
| 1490 | HE6BS09 | 876473 | Preferably excluded from the | AL120741, AA573741, AW409804, AA191552, W93042, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2954 of SEQ ID NO:1490, b is an integer of 15 to 2968, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1490, and where b is greater than or equal to a + 14. | AW402618, AW409704, AA496304, AW073345, AW300845, AA744892, N39760, AW176264, AI498051, AA419262, AA932846, AA632390, AA504894, AI564499, AI128977, AA737814, AA419313, AA565758, N26317, AW291428, AA533063, AI375164, AA662704, AA935484, AA128486, AI266104, N32937, N42608, AA307525, AI272853, AI354318, AA565783, N35109, AA191421, AI091816, W24942, N62754, AA113164, AI139914, R35445, AI358925, AI524297, AA411740, AW169734, AA342234, AA864231, AI219732, R75982, AA506884, AA868134, N95815, AA952966, AA406562, AA422127, AI277114, AA568586, AI307129, AA552501, AA325046, R80092, AA296682, AA075972, AI660916, AA877488, T48678, R25740, T78250, AL079578, AA504946, AA923223, R76813, R27494, AA348004, AA694309, AI538662, H04698, AA337541, AA356674, T48679, AA738377, AA368983, AA074378, AA809882, AA588403, AI672899, T78083, N79702, R25658, AI202481, AA311735, AA112425, R27510, R32527, R28609, AA129797, R25647, AI364021, AA578870, AI864211, AL079579, AA665375, R79989, AA355436, R34256, AA368982, AA348005, AA327401, N43853, AA937676, AA876470, AA235504, AW166979, AA548792, AA337180, AI520916, AI684053, AA054425, AI866770, AA878790, AI890907, AI348854, AI608932, AW001426, AI358701, AI680498, AI554343, AI620639, AL038445, AI961589, AI758437, AA911767, AI611348, AW022682, AW131288, AA603709, AI288285, AI344935, AI310575, AL037582, AL037602, AI340533, AL042191, AI349645, AW268253, AI702301, AI345253, AW083175, AI349937, AI621209, AI345026, AI559531, AI554485, AW150804, AI340627, AI963846, AW303089, AI859429, AI335235, AA908294, AW105601, AI497733, |

AI307569, AI340511, AI263331, AL036980,
AI559632, AI334930, AW004896, AL036904,
AI345739, AI340659, AI343091, AI251221,
AW074869, AI932638, AI247193, AI690813,
AI634224, AW268072, AI335208, AW089275,
AW302992, AA983883, AI872423, AI500588,
AW169604, AW079336, AW026882, AI815232,
AI310582, AW074993, AW129106, AI445131,
AI335426, AI349957, AI348777, AW301300,
AL041150, AW075207, AI312152, AI343037,
AI310940, AI470293, AI889148, AW152469,
AI690411, AI349226, AI345005, AI348879,
AW075084, AI886206, AW058233, AI349614,
AI343112, AW193134, AI307543, AI307210,
AI312156, AI307708, AI349598, AW302988,
AI859733, AI349256, AW167222, AI313320,
AI345735, AI801460, AI620284, AW023338,
AI432969, AW072588, AI307520, AW088805,
AI249323, AI869367, AI334884, AW071412,
AI207454, AI312325, AI343140, AI349971,
AW089689, AW081797, AI783504, U49908, M30514,
E02349, I48978, AL117435, X84990, AF118070,
AF113699, AL049464, AL050277, X83508, AL049314,
I89947, A08916, I03321, A08913, AJ238278,
A08910, A08909, AF090943, AR029490, X63574,
I89931, A08908, AL137521, AL133568, I49625,
AL050393, AJ012755, AR038854, AF028823,
AL133557, U49434, AR011880, AR038969, AL133016,
A08912, I48979, X96540, AF113694, AF113690,
AL080127, AL023657, AF158248, A18777, AF079763,
AL117457, E02221, X53587, AF090896, AF118094,
AL049382, AF106862, AF113677, A90832, AL137550,
AL117432, AL110222, AL137292, E04233, U58996,
AB007812, AF017437, AF100931, AF118090, I42402,
AF026124, AL050116, AL050092, U35846, AF008439,
AL050172, Y10080, AL110197, AF111849, AL117649,

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| | | | | AF090900, AF125949, S78214, AF061943, I26207, X82434, U67958, AL117416, E08631, U78525, AF104032, S75997, AF091084, AL049452, X70685, AL117583, A03736, AF113019, AF090934, AR034830, I96214, AF215669, AL137478, AL110196, AL110280, A07647, AL137558, AL050138, AL133072, AL137480, U91329, A08911, AL049300, AL049466, AF183393, AL133081, Z37987, AF162270, U00763, AL137429, I09360, AL050024, AL080124, AL133098, AL117460, AL117585, AL096744, AF026816, U42766, AL080154, AJ242859, X52128, AL049465, AL080158, I00734, Y07905, E12747, X72889, AL133560, A58524, AL080074, A58523, AL122110, AF003737, AF100781, AL137526, AL137523, AF097996, AF051325, E06743, AF132676, AF061836, AL110225, M86826, AL133665, Y09972, AL050108, AL137488, AF106657, AL133113, AF113013, AL080234, AL133565, AF061573, AL137463, I89934, I89944, AL080086, AF078844, Y10655, AR020905, AL122093, Y11254, AL133080, A77033, A77035, AF087943, AL133640, AL137271, Z72491, AF111851, AL110221, AF090903, AF125948, AF113676, I66342, AL137533, A08915, E15569, AF185576, U80742, AL117394, AL050155, S79832, AF022363, AL122121, AF032666, D83032, AF119337, AR013797, I80064, AL122049, Y16645, AF067728, A65341, AL049283, AJ000937, AL049430, I33392, AL137560, Z82022, AF153205, A93350, I09499, L31396, U68387, AL133077, AF177401, S68736, AL137705, AF090901, AF139986, X65873, AF079765, L31397, AF081195, AL137476, AL122123, E08263, E08264, E07361, A93016, S61953, A21103, AL137459, X00861, AF126247, AF118064, AL133558, X87582, AL122050, AL137529, AF061795, AF151685, A12297, AF057300, AF057299, AL110171, AL080060, A08907, AF113689, AF017152, AL133075, AR068751 |
| 1491 | HERAM35 | 876474 | Preferably excluded from the | |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 515 of SEQ ID NO:1491, b is an integer of 15 to 529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1491, and where b is greater than or equal to a + 14. | |
| 1492 | HFIUG54 | 876475 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1211 of SEQ ID NO:1492, b is an integer of 15 to 1225, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1492, and where b is greater than or equal to a + 14. | AA604375, AI096476, AI627324, AI623783, AW270881, AW176260, AA420479, AW263721, AI433858, AI888162, AW001768, AW190261, AW300137, AW166776, AI017162, AI034411, AW169112, AI493585, AA035308, AI400980, AI269743, AI086151, N20484, AA905363, AI244728, AW148617, AA126992, AW370989, AA490959, AW339199, N34406, AW391594, AA480346, AA970535, AA548169, N24599, C02570, AW380443, AA582926, H42703, AW105105, AA570014, AW026638, AA256814, AA364778, AW020880, Z41211, AI536061, AA035307, AA420478, H24299, AA678544, AW391563, AW339527, AA065097, AA613111, AI925770, AW391562, AA191512, D51223, D62210, AA847993, AA652779, AI750126, N75648, AI436629, N51447, AA743305, AL117597 |
| 1493 | HE8CX56 | 876476 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2284 of SEQ ID NO:1493, b is an integer of 15 to 2298, where both a and b correspond to the positions of | AI693062, AI936680, AI638780, AW130947, AI203659, AA969048, AA730307, D61225, AL041011, R49279, H64578, AA249856, AA120957, H64682, D81623, AL040722, N56191, AW265781, AA082593, AF029343 |

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| 1494 | H2LAQ54 | 876480 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 375 of SEQ ID NO:1494, b is an integer of 15 to 389, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1494, and where b is greater than or equal to a + 14. | AW068683, AA314376, D80193, D80227, D59619, D80210, D80240, D59467, D80195, C14389, D59502, D80164, D59275, D80038, D80219, D80269, D58283, D51423, C14331, D59859, D80022, D80166, D51799, D80391, D80253, D81030, D50979, D80043, D59787, C15076, D80378, D80212, D80196, D80188, D59927, D59610, D57483, D80366, D50995, D59889, D80024, AA305409, T03269, D80241, D80045, AW178893, C75259, AW178775, C14014, AA305578, AW179328, AW177440, D51022, AW352158, AW378532, D80522, D80134, D51250, D52291, AA514188, D81026, AW178762, AW177501, F13647, AW177511, AW352117, D80251, D80168, D80248, D58253, C14298, Z21582, C14227, AW360811, D81111, AW377671, AA514186, D80133, AW378540, D80064, AW375405, C14407, AW366296, D80132, AW360817, AW375406, D80268, AW378534, AW352171, AW179332, AW377672, AW179023, AW377676, AW178905, D51097, AW178754, AW179024, AW179020, AA285331, AW177456, D80302, AW178906, AW352170, AW177731, AW360834, AW178907, AW179019, AW179018, AW352174, D80439, D80247, AW378528, AW178908, AA102166, C14077, T11417, AI557751, AW178914, AW178781, AW378543, AW378525, D51103, AW178774, AW352163, T03116, D80157, AW378539, D80258, D59503, D58246, D80014, T48593, D59627, C06015, D58101, AW378533, AI557774, D45260, AW367950, AW178986, AI525923, H67866, D51213, D45273, T02974, AA809122, C03092, H67854, D80228, T03048, AW179013, D59317, AI525917, AI535686, C14344, C14973, D51221, AI525920, D59474, D59551, AA514184, AI525227, H67858, Z30160, AI535961, AW378542, U70370, AF009649, U54499, U71206, |

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| | | | | A84916, AJ132110, A62300, A62298, AR018138, Y17188, X67155, D26022, A25909, A67220, D89785, A78862, D34614, D88547, AF058696, AR008278, X82626, AB028859, AR025207, Y12724, AB012117, A82595, AR066482, A94995, X68127, AR060385, AB002449, AR008443, A85396, A44171, U87250, A85477, I19525, A86792, I50126, I50132, I50128, I50133, X93549, AR066488, AR016514, AR060138, A45456, A26615, AR052274, Y09669, AF009648, A43192, A43190, AR038669, I18367, AR066487, A30438, D88507, I14842, AR054175, D50010, Y17187, A63261, AF135125, AR008408, I79511, AR062872, A70867, AR008277, AR008281, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, AB033111, AR064240 |
| 1495 | HWABG32 | 876481 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1386 of SEQ ID NO:1495, b is an integer of 15 to 1400, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1495, and where b is greater than or equal to a + 14. | AA873178, AW340076, AA453258, AA453359, AI200335, AI189856, AI127354, T57079, AA031327, AI096450, AA948375, AA031328, AA977624, AA994405, AI148795, AI340956, AW014990, AI652909, AI160243, AW026239, AI093526, AA923811, AI091630, AI365268, AW380222, AI367151, N32402, AA583097, N56822, AA579988, AI343747, H12681, AI825678, AW197534, T29148, F08275, AI468467, T95661, T82166, T57151, AI880292, T81821, F04505, AA481266, R41605, AW372903, AA662708, AW130992, AI818777, AA764938, X14356, L03418, X14355, L03419, M91645, M91646, M91647, M82819, L03420, M63835, M91555, M91554, M63834, S45709, M91552, S45707, M63832, M63833, M91553, M91550, M63830, S45704, S79667, A37858, AL133558, AF070643, AJ001388, AL109725 |
| 1496 | HMTBE05 | 876483 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AI026945, AI808573, AI620239, AA948677, N53940, AW249558, AI096948, AA159915, AI095014, AI871045, AI950931, AA455901, AW009419, AI149374, AA024477, AI433743, AA428948, |

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| | | the general formula of a-b, where a is any integer between 1 to 1470 of SEQ ID NO:1496, b is an integer of 15 to 1484, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1496, and where b is greater than or equal to a + 14. | AA039950, AA165025, AI884373, AI149074, AI184801, AI188603, AI937231, AA024476, AI469664, W26293, AA831823, AI766893, AA830218, AA476574, AA040001, AW404545, AA455902, AA027936, AI566799, AA582203, R15907, AA422121, AI879131, T34650, Z43817, AA738453, AI220916, N59030, AI419568, AI300117, AA738075, AI967928, Z39886, AW071642, AA863299, AA877869, AI382238, AI149361, AW169605, AA483840, AI436690, AA448896, AI800263, AI831898, AI262999, AI984945, AI915652, AI701265, AI344209, M79093, AI829004, AA028041, AW408623, AI982982, AI202924, AW246104, T66533 |
| 1497 | HKABL05 | 876484 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2178 of SEQ ID NO:1497, b is an integer of 15 to 2192, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1497, and where b is greater than or equal to a + 14. | AI740522, AI309318, AI376662, AI741390, AI742840, AA679083, AI765150, AW002945, AW192895, AA001262, AI052703, AA648295, AI929375, AW157334, AI799150, AA577690, AA909347, AA608744, AI879998, AI421323, W55919, AW373539, W84527, AA947742, AA861283, AA065133, AW168112, AA460061, AI300565, AW204198, AA155821, AW104051, AI800773, AI193965, AA101195, AI582368, AW057835, AI348116, AA527861, AW009823, AW029295, AW022530, AA708118, AW238854, AI452699, AI016610, AA669337, AA480279, AA278360, AI749692, AI160871, AW130090, AA744919, AA760760, AW007135, AI275625, AI057288, AI494111, AA831711, AA687284, AI815697, AI374689, AA155925, AI862854, W55920, AI367891, W04222, AW272692, AA628638, AA707011, AI800064, AA043251, AA160009, N62094, AI671739, AA292750, AI052618, AW166814, AA152365, AI475145, N78325, AA001852, AI952464, AI953334, AI346774, AI243902, AI271553, AI637742, AA514862, AA025382, AA484277, AI288842, AI311020, N50975, AW027908, AA132226, AI436690, AI130684, N74257, |

AI198852, AI354226, AI969402, AI026752,
AA453035, AA668696, AI090673, AA971631,
AA984913, AW264660, AI798057, N93127, AL120009,
AA628641, AA281226, AA922510, AW163390,
AA161457, AA187227, AA764824, AI521457,
AW439109, AA088421, AA722831, N23855, AA807549,
AA043590, W67807, AA026016, AA494441, AA179097,
AA565588, AA065202, AA928577, AA633795, W15314,
AI886794, W84515, AI797422, AA120907, AA046354,
AA788597, AA083453, AA765379, AA009957,
AI190992, AA284411, AA857371, AA459969,
AA741542, AA001988, AI206746, AA160010,
AA586336, AW235920, AA010759, AW075660,
AA131616, AA046070, AA247207, AA002267,
AW020230, AI123351, AA281235, AA426610,
AA780786, AI825394, AA083357, W73815, AI439077,
AI434359, AI695507, AI344209, W69764, W60465,
AI281441, AA568376, T63795, W38654, AA028052,
AI826611, AI800263, AW270667, AI370333,
AW117628, W52413, AA127865, AW439098, T64108,
AA164988, AA211263, AA278324, AA327661, C15972,
W78007, AA011120, T47065, T34888, AA204925,
AI758966, N66464, AA491375, AA292539, AA127890,
AA845300, AA092473, D54180, AA827429, AI984945,
AI074775, AW341620, AW438482, N99121, AA054675,
AA226936, T94385, AA126323, AA227046, AI559910,
AA574112, AI290025, AA355027, AA460014,
AW050391, AA926777, AA373413, AA356295,
AA621388, AW009092, AA301008, AA482700, T64028,
AA332547, T35591, AA205052, T63820, AA738461,
AI000546, N33952, T57017, AI887555, AA365643,
AA147057, AA428948, AA448896, AA211143, T51962,
R15907, AA131382, AA142894, T30133, AB030905,
AC005841, Z84488, U26312, U95740, AF063304,
AB005618, X56683, A75245, AL023775, D28877,
U09120, AF086270, T47064, T52042, R36239,

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| | | | | N38911, N46485, N58965, W39742, AA028051, AA128181, AA132330, AA147058, AA152387, AA186506, AA278995, AA278348, AA525751, AA525773, AA525871, AA661828, N56031, C00146, AA091857, AA095676, AA170857, AA398724, AA665715, Z19940, AA732979, Z18797, AA991829, AI001836, Z39146, AI341188, AI566368, AI652212 |
| 1498 | HOCTA74 | 876487 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 671 of SEQ ID NO:1498, b is an integer of 15 to 685, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1498, and where b is greater than or equal to a + 14. | AI302800, AW118693, AI808667, AI065036, AW080952, AA862461, AI201847, AI138543, AI015998, AA865819, AA470462, AA454546, AI221895, AA481881, AI039771, AA535254, AA482063, AI301489, AA551867, AI018725, AL121442, AI244932, T88913, AI914566, AI017732, AI016693, AI833052, AA608575, AA120921, AA120922, N57711, AW151576, AI572464, AW303732, AI471156, R85699, H60433, AA890675, AI262997, AA620388, T47276, AA534566, AI625454, AA852619, AA889211, AA707578, AI718799, T47275, AI124998, AA477467, H88225, AA680222, H66348, N63309, AA131070, AA131015, AI474581, AI561334, AW392670, Z99396, AW372827, AW384394, AW363220, AL119497, AL134528, AL119443, U46341, AL119457, AL119319, AL119363, AL119341, AL119496, AL119324, AL119355, AL119483, AL119484, AL119391, AL042965, AL119335, U46350, AL134920, AL119522, AL119396, U46351, U46349, AL119418, U46347, AL119444, U46346, AL037205, AL134902, AL042614, AL119439, AL042975, AL119399, AL042551, AL119401, AL134518, AL134524, AL043029, AI142132, U46345, AL042984, AL134531, AL134538, AL134525, AL042450, AL043019, AL134536, AL037051, AL036725, AL042970, AL119488, AL042544, AL042542, AL043003, AL119464, S79219, X14608, M22631, M26121, AL122056, A81671, AR066494, AR060234, AR054110, AB026436, AR069079 |

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| 1499 | HWLUU48 | 876490 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1035 of SEQ ID NO:1499, b is an integer of 15 to 1049, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1499, and where b is greater than or equal to a + 14. | AA099027, AI887335, AI887905, AI694672,<br>AI566740, AW086500, AI222690, AI686357,<br>AW085264, AI590636, AA411391, AI431702,<br>AI383310, AA436251, AI913708, AI015064,<br>AA453266, AC004190, AP000516, AB014087,<br>AL020989, AC007100 | |
| 1500 | HULAJ15 | 876491 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1004 of SEQ ID NO:1500, b is an integer of 15 to 1018, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1500, and where b is greater than or equal to a + 14. | AI991884, AI872008, AI660228, AW167205,<br>AW084525, AA601542, AI859727, AI818462,<br>AW080935, AI687318, AA552217, AA621566,<br>AA886903, AA706568, AI379184, AW000876,<br>AI569542, AI860861, AI887280, AI653757,<br>AA461121, AI554798, AI016349, AA622753,<br>AI332503, AI246460, AI332793, AI144192,<br>AA460819, AA563883, AA455216, AA621675,<br>AA862530, AA858222, AA581826, AI806046, N35715,<br>AW328329, AI262551, AI204029, AI149450,<br>AW071084, AI289219, AA609900, AA927266,<br>AI707484, AI095745, AA618130, AI721109,<br>AA931503, AI440027, AI275080, AI299248,<br>AI276688, AI750085, AA088417, AA304654,<br>AI262552, AI688181, AI282807, AW294666,<br>AI335810, AI748980, AI335786, AA088540,<br>AA420995, AI355863, AA102237, AA070673,<br>AA595597, AI750051, AI749025, AI811127,<br>AI086655, AI278320, AA443973, AI080248,<br>AI367574, AA421075, AA052939, AI418137,<br>AA902863, AI265947, AA931116, AA430411,<br>AA251968, AI355088, AI290353, AW305028,<br>AI005354, AI367787, AA913300, AA053492,<br>AW008828, AI355089, AI890124, AA564009, | |

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| | | | AI359453, AI282383, W45582, W52209, AA102236, T67787, AI368584, AI382940, AA846519, AI095153, AA578680, AA838282, AA879315, AA305607, AA430359, AI095598, AI708067, AI383117, T67711, AI720469, AA879062, AA186928, AA494466, AI832504, H79930, AA417983, W45545, AA469124, AA526593, AI719480, AI832612, AA420865, AI041840, AA305069, AI244411, AW088865, AI264706, AA242885, N35628, AA858264, H62987, AI460162, AA865264, AA418153, AI435908, AA353482, AA740793, AI310701, AI143647, AA320588, AI541426, AI581554, AA420466, AI472533, AA188357, AI888688, AA373467, AA630328, T61575, AA330716, AI460166, AI381692, R44192, AA444156, H62866, H96297, AI131189, T29504, AA193634, AI217206, AA102029, AA136055, AW028629, AA853950, AA294960, AA330845, AI582088, W79666, AA377021, W74128, AA370626, AA876408, AI000545, AI749041, R02407, AA102028, AA126713, R23407, U46351, AA193598, AI581181, AW082579, T61023, H96296, W24691, AI431603, T82007, AI123178, R02308, AA216169, AA469193, N26519, AA576977, AI858582, N93058, AI361535, H79833, R63786, H57907, AB006780, M36682, M35368, M57710, AR036975, S59012, L23429, X78879, U06470, X16834, J02962, J03723, X16074, AR036976, L08649, AF031422, AF031425, M33215, AF031424, AF031423, AL133655, AL121593, U89295, A59344, M27260, AL122093, AL117599, AL133015 |
| 1501 | HSYAJ64 | 876494 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2017 of SEQ ID NO:1501, b is an integer of | AA773574, AI870173, AI090858, AA599163, AA205487, AL134981, AA308686, AW247784, AW377280, AA581816, AI435156, AA599212, AA164748, AI499069, AW148604, AA181056, AI828823, AA160573, AA894927, AA446427, AA308175, AA314621, AA812415, AW377338, AA307680, AW377313, AA315193, AA514946, |

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| | 15 to 2031, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1501, and where b is greater than or equal to a + 14. | AA948141, AA652118, AI090292, AA435521,<br>AI342258, AI240388, AA205318, AA243054,<br>AA768432, AI082283, AA024693, AA456625,<br>AI911813, AI363735, AA446119, AA652124,<br>AA424926, AI263712, AA024647, AA205575,<br>AI004571, AA630601, AA307175, AA164747,<br>AI042562, AI934643, AI341665, AA313490, N75485,<br>AA207213, W91894, AA426166, AA307366, AI433060,<br>AA307046, AA195483, AA252561, AA527990,<br>AA989506, AA223574, AI270387, AA243053,<br>AA455806, AA307677, AW403863, AA315014,<br>AA159366, AA157555, AA158206, AI568188,<br>AI028221, AI445024, AA927196, AA307925,<br>AA649534, T28878, AI085919, AW392054, AA776680,<br>AI672839, AA312108, AA376260, AW392206,<br>AA654257, AI865398, AA347324, AA626750,<br>AA219493, AI630717, AA307419, AA662020,<br>AI510831, AA442877, AA350306, AA362375,<br>AI935046, AA152328, AI305172, W05296, AI278536,<br>AI308922, AA053461, AA053213, AA135056,<br>AA186979, AW173202, AW377352, AA206750,<br>AA608732, AI025236, AI719108, AA325720,<br>AI922470, AA223615, AA152329, AA626448,<br>AA649822, AA300684, AA362586, AA626522,<br>AW377293, AA315660, R14052, AA333552, R37150,<br>R15974, AI569355, AA190772, AA362376, AA593069,<br>AA921347, AA316929, AA180011, AA134971, W95113,<br>AA978212, AI932667, AA040890, AA830424,<br>AW383641, AI632334, AA947203, AA326527,<br>AA629781, AW383640, AA954366, R05778, C21408,<br>R05864, AW392327, AA191382, AA322735, H55311,<br>AW383658, R15975, AW410508, AA995270, AA160528,<br>AA219455, AI703040, AW104153, M27396, M15798,<br>M27838, X52130, U07201, U07202, U38940,<br>AC005326, L35946, M27054, L35936, L35937,<br>L35938, L35945, L35940, L35941, L35942, L35939, |

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| 1502 | HETIF19 | 876495 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1449 of SEQ ID NO:1502, b is an integer of 15 to 1463, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1502, and where b is greater than or equal to a + 14. | L35943, L35944, L35935, T66600, T66601 AA926696, H16874, AW376009, AA313468, R23401, N35321, R13283, AW152493, AI027550, T11328, AR036119, X92689, U70538 |
| 1503 | HLYEA23 | 876496 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 556 of SEQ ID NO:1503, b is an integer of 15 to 570, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1503, and where b is greater than or equal to a + 14. | AW161801, N56973, N73756, AA479038, D44982, N81193, W65438, H25021, N22293, N47355, AA973373, AA477521, AA595499, AA838190, AW172858, AI887235, AL134275, T59612, AW169038, AA847980, AI002744, H02058, AI590442, AB014528, AC005062, AL135783, AL117258, AL133163, AL137100, AC004859, AL035410, AC004067, AC002349, AC005725, AF205588, AC008033, AC004887, AL049589, AC002412, AF130249, AC005261, AC007488, AL033533, AC005722, AC007011, AC006547, AC006080, Z98304, Z84469, AC005664, AF031078, AF030876, AF031076, Z95152, AC004019, AC005280, Z69907, AC006213, AC007238, AL049569, Z93016, AP000344, AL031597, AC004605, Z82203 |
| 1504 | HAPQU61 | 876498 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 484 of SEQ ID NO:1504, b is an integer of 15 to 498, where both a and b | AI949815, AI813450, AI819294, AI269353, AA421819, AI089074, AA834705, AA847960, AI559836, D31784 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1504, and where b is greater than or equal to a + 14. | |
| 1505 | HE8OT93 | 876499 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2047 of SEQ ID NO:1505, b is an integer of 15 to 2061, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1505, and where b is greater than or equal to a + 14. | AA486504, AA133234, AI339710, AA743093, AI688621, AI096844, AA129712, AI860744, AI420708, AI278953, AI278568, AW006666, AI571986, N68247, AI358873, AA314945, AA341071, AI346152, AI219397, AA488692, AA148150, AI362046, AW050985, AI090396, R60368, AA626449, AW272569, AA308535, AI471517, AW135592, AW205875, R60312, AI590397, AI078709, N39886, AA557504, AA970783, AI419556, AA338145, AA534362, AA351801, N26928, AA143763, AA557513, H87951, N57132, AW051845, AW394065, H95626, AA309736, AW204673, AI457186, AA376417, AA570135, AI805191, AA376416, AA310109, N68052, H95981, AI049818, Z21567, AA079141, AW389275, AL049742, D86997, D88269. |
| 1506 | H2LAB08 | 876503 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2382 of SEQ ID NO:1506, b is an integer of 15 to 2396, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1506, and where b is greater than or equal to a + 14. | AI911983, AI927427, AI889004, AI693602, AL045565, AI767631, AI150323, AA576743, AI201732, AA811424, AA436321, AI890062, AA812674, AI348111, AA776471, AA904047, AI909133, AA262396, AI909125, AA827237, AW084600, AI890814, AA778086, AI708713, AA436197, AI580236, AA313219, AI926738, AA550977, AI819536, AA688044, AA252436, AA307642, AI569986, AI174417, AA251902, D19596, AI687789, AW029076, AA305817, H93729, AI000199, AA232315, AI346715, AW275185, AI273086, AA689252, H02731, H04075, H88463, AI678322, AA541528, AI474632, AA651878, AA307939, AA378903, AI934157, AA243609, AI267661, AA525290, AI824311, R37260, R59445, AA378902, D61809, AA361618, R12332, AI341322, R23315, R70591, R59386, AA336382, AA831575, R75944, |

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| | | | | H00410, AA354320, AA602417, AI567956, D79295, N87729, H03382, H01205, R31246, H00817, R39541, R92975, AL045564, D58065, AA730991, C16596, C16509, AA580841, AA383636, AA296630, D62972, D82320, AW073685, AI364834, AA598715, AI355779, AI289791, AI539800, AI500714, AI355008, AI866469, AI434242, AI539771, AI889189, AI815232, AI537677, AI371243, AI582932, AI582912, AI927233, AI433157, AI612913, AI491710, AI366900, AI804505, AI610362, AI434223, AL039390, AI440239, AI863197, AI924051, AI366910, AI539847, AI521596, AW074057, AI932620, AL040207, AI590043, AL042944, AI567935, AI539260, AI866465, AI801325, AI500523, AI538850, AI887775, AI537187, AI923989, AI284517, AI872423, AI500706, AI445237, AI491776, AW151138, AI521560, AI500662, AI284509, AW172723, AI440263, AI538885, AI889168, AI866573, AI633493, AI434256, AI805769, AI888661, AI284513, AI888118, AI285439, AI859991, AI436429, AI889147, AI623736, AI581033, AI371228, AI440252, AI431307, AI440238, AI567971, AI866786, AI860003, AI610557, AI431316, AI242736, AI828574, AI887499, AI537273, AI539781, AI539707, AI702065, AI885949, AI285419, AW089557, AI559957, AI521571, AI469775, AI866581, AI567953, AI815150, AI446495, AI867068, AI225248, AI610426, AI567940, AI282264, AI926593, AF035293, AF081281, AF052112, AF077198, AF077199, D63885, AC004062, U97146, AR028701, U97147, U97148, U89352, AC004548, AL133074, Y17793, AL133076 |
| 1507 | HISBB72 | 876504 | Preferably excluded from the present invention are one or more | AI589824, AW149545, AA826266, AI285235, AA548396, AI580850, AI934791, AI262821, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1139 of SEQ ID NO:1507, b is an integer of 15 to 1153, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1507, and where b is greater than or equal to a + 14. | AI288864, AA933871, AW379374, R55964, AA741334, AI422503, AI884993, AI422504, R55965, AA515979, U41901, AR030574, AR030579, AR030578, AR030581, AR030575, AR030577, AR030580, AR030582, AR030589, Z94719, Z94720, Y08171, Z94718, AR030590, AR030583, AR030587, AR030584, AR030585, AR030588, AR030586, AR030591, AR030592 |
| 1508 | HCHBN47 | 876507 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 638 of SEQ ID NO:1508, b is an integer of 15 to 652, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1508, and where b is greater than or equal to a + 14. | AP000066 |
| 1509 | HFADJ29 | 876511 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1216 of SEQ ID NO:1509, b is an integer of 15 to 1230, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1509, and where b is greater than or equal to a + 14. | AI114564, AI064937, AI207577, AW024388, AA167328, AI357366, AI826158, AI656065, AA890501, AA314294, N72119, AI368841, N25212, AI796295, AI215697, N48787, AI066435, AA171687, AA043292, AI270341, AI191607, AI632032, AI873864, AA508855, AI828826, AA996333, AW192143, AI298715, AI872218, AI687959, AI753230, AI926791, AI436234, R74567, AA828059, AA640994, AI801845, AA644673, AA492531, AI219265, AA043291, R76364, AI695300, H03697, AI628314, AI302487, AA147569, R62982, AA312605, H00964, AA305334, AA156441, AA370497, AA333089, R97205, AA657712, R63037, R76689, AA769559, AA761876, AA167149, H64689, H65183, H00965, |

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| | | | | C03639, AA361522, AA370109, AW131681, T48460, AA807111, W38740, AA548193, AA350472, AA350471, T39360, AA171802, N45578, AA330808, AW379530 |
| 1510 | HWLQP42 | 876513 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 999 of SEQ ID NO:1510, b is an integer of 15 to 1013, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1510, and where b is greater than or equal to a + 14. | AA196276, AA524473, AL040260, AA533568, AA600703, AA773551, AA292150, AA004500, AI928071, AI612760, AA411191, AW264086, AW206769, AA496356, AA434061, W42808, AA232555, AA292045, AI085934, AA182481, AA292071, AI087140, AA004501, AA496406, AA434125, AW317087, AI752948, AA443125, AA456190, AA400594, AA292028, AI682335, R73572, AA766115, AA292042, H61296, H61291, AL043495, AA044201, R11520, AA705241, AA652065, AA043939, AI536587, R97731, AI352191, AI630315, AA350112, D31167, AA031359, T85323, AA429498, H15771, R44134, AI351143, AW138388, AA661960, AI215409, AA411071, AW243696, R72952, AW068860, AI567210, AI393957, AI970891, AI273925, AA321611, AA401967, AI224608, AI084609, AI279699, AA031603, AI915877, AA400679, AI092030, AA031637, AI630462, AA429499, AA031476, AA301177, H15770, AW381505, AA182758, AW381475, R10445, AW381498, AI992085, AA312507 |
| 1511 | HDPAG07 | 876518 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 442 of SEQ ID NO:1511, b is an integer of 15 to 456, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1511, and where b is greater than or equal to a + 14. | AA305114, AL022398 |
| 1512 | HLTAR39 | 876524 | Preferably excluded from the | AI133655, T96748, AW369762, AA350015, AA360756, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2153 of SEQ ID NO:1512, b is an integer of 15 to 2167, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1512, and where b is greater than or equal to a + 14. | AW386072, AI625829, AA534216, AW243183, AW367779, AI697340, AI754731, AW367807, AC004707, AC004675, AF088219, AC006026 |
| 1513 | HWLRF38 | 876526 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 818 of SEQ ID NO:1513, b is an integer of 15 to 832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1513, and where b is greater than or equal to a + 14. | AW183028, N28485, AI306451, AI536589, AW072566, N24976, H82376, AI814709, AI376566, AI352453, AI590303, AI280262, AI761747, AA554283, AI222990, AA644328, AA661978, AA587549, AA045302, AW274520, AW043629, AA630727, AW273650, AI368900, AI381943, AI290422, AI167243, AA993296, AA977315, AW337456, AA029935, AA779545, Z17865, AI493253, AI624318, AA908755, AI168437, AA757538, AA977243, AI740891, AA524068, AA628420, AI123070, AI692442, AI868044, AA687907, AI370323, T31450, AI867272, N46853, N67292, AW276010, N69329, AI768256, AI022628, R83171, AW073539, AA180796, AI761569, AA045408, AW134931, AW085513, AW059629, D11973, AL133563, AJ006412, AB018284, AJ006776 |
| 1514 | HCRNM09 | 876530 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1350 of SEQ ID NO:1514, b is an integer of 15 to 1364, where both a and b correspond to the positions of | AW362945, AI916280, AA632418, AW451840, AA579245, R85405, AW366782 |

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| 1515 | HOBAE30 | 876533 | nucleotide residues shown in SEQ ID NO:1514, and where b is greater than or equal to a + 14. | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1479 of SEQ ID NO:1515, b is an integer of 15 to 1493, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1515, and where b is greater than or equal to a + 14. | AA947739, AI400455, AI079804, AW270919, AI435830, AI452944, AA747433, AI570117, AW207124, AI580309, N95645, AI309204, AI338445, AI272895, AI499408, AW079078, AI797006, AI917984, N98806, AA282725, H01411, H00875, AI565322, AI240334, H01410, R74104, AA831514, R61345, AW150637, AA301342, N69359, R74103, AI672118, H00874, H78279, AA514041, T49557, H79404, AI739220, R31153, AI864092, AA344229, AA693339, T49556, R31104, AA085178, N83511, AI373773, AI349772, AW104724, AL119748, AW071349, AL121365, AI633419, AI537677, AI475371, AL119049, AI536638, AL040243, AW198090, AW087445, AL121270, AL045500, AI433976, AI871697, AI433157, AI536685, AI609331, AI612913, AI568855, AI269205, AI682743, AI682106, AI866457, AL121328, AI815855, AI538716, AL036802, AI580927, AI440239, AI436456, AI590415, AL047763, AI499463, AI207510, AI275175, AI064830, AL045903, AI687728, AI802542, AI500523, AI815383, AI621209, AL119791, AI539771, AI500659, AI524671, AI863014, AW117882, AI684265, AI620284, AI469532, AI906328, AL036146, AI580190, AW071417, AI818683, AI284484, AW274192, AL036396, AI521012, AI702406, AA470491, AW301409, AL036361, AW080838, AW169671, AI920968, AI637584, AI439717, AI349256, AI499393, AI491852, AI934035, AI907070, AL043981, AI648684, AW074993, AL036274, AI149592, AI539153, AI564719, AI439745, AI872711, AI568870, AI613017, AL135661, AL047042, AI690835, |

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| | | | AW129659, AI250293, AI432969, AI445025,<br>AI868831, AW166645, AI500077, AI349645,<br>AI446628, AL049085, AI538829, AW151485,<br>AW303152, AL045266, AL043326, AI567351,<br>AI345111, AW238730, AI619502, AW268253,<br>AI349598, AL044207, AW026882, AL040169,<br>AW150578, AI343112, AI349933, AI491776,<br>AI285735, AI783504, AI690426, AI631107,<br>AL079963, AI866608, AL121014, AI857296,<br>AI499512, AI349004, AI281762, AI590227,<br>AI873731, AL038778, AW088793, AI440426,<br>AI580984, AI269862, AL119828, AI439762,<br>AI570909, AI673710, AI815232, AI340582,<br>AI682841, AW103371, AI635461, AW149869,<br>AI625079, AI274541, AI610756, AW008048,<br>AL043975, AW089572, AI348897, AI922901,<br>AI636456, AI538259, AI312152, AI282903,<br>AI349937, AW162071, AW129202, AW169132,<br>AI281773, AI284020, AI678302, AL048871,<br>AI634737, AW090013, AI249257, AI636445,<br>AW118512, AW131954, AW196141, AI612920,<br>AI554484, AI811344, AI912866, AI570384,<br>AW002342, AI569616, AI475451, AI702433,<br>AI224992, AI799199, AI271786, AI273142,<br>AI432656, AA508692, AW068845, AI269696,<br>AI590128, AI934036, AW302965, AI800453,<br>AI800433, AI560099, AW132121, AI284517,<br>AA613907, AI498579, AI445165, AL117613,<br>AF147302, AF090900, I48979, AF113694, AL080124,<br>AL133640, I89947, Y11587, AF090934, S78214,<br>AF113691, AL133606, AF090903, AL117460,<br>AL049938, L31396, AL122093, L31397, AF104032,<br>AL133016, AL050138, AF078844, AL050146, U42766,<br>AF106862, AL117457, S68736, AF090901, AF113019,<br>AL050393, AL122050, I89931, AL133075, AF017437,<br>AL050149, AF113690, AF113677, AF118070, | |

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| | | | AF090943, AL137459, AF113013, AL110196, AF118064, AF113676, AJ242859, AL050277, X84990, AF125949, AF090896, A93016, AL110221, AL080060, E03348, A08913, AF017152, AL050108, A08916, AF113689, Y16645, AL049452, AR059958, AL096744, AL022147, AL133557, AL137557, AL050116, AL137527, AL133565, AL049314, AL122123, AL133080, AL049466, AB019565, AL080137, E07361, AF158248, AL133093, AF111851, I48978, AL122121, AC007390, AF177401, AJ000937, AF125948, AF113699, AF091512, Y11254, AL117435, AF091084, AL137283, AC002464, AC004883, U62317, X63574, AL035587, AC004686, U91329, AF146568, AR011880, AL137550, X82434, AF097996, AF079765, AC007298, AL133560, AL110280, AL117394, AL049430, AL110225, AJ012755, AC004383, A65341, AL078602, Z98036, I49625, AC005291, AC006115, AL133113, I66342, AF042090, AC006501, U95739, AL049382, AJ238278, E07108, AC007458, AC002538, AC004200, AL137294, E02349, AL117585, A77033, A77035, AL049300, AC006371, AC005829, Z82206, AL137271, AL117583, U00763, A58524, A58523, AL133014, AC004987, A08910, I33392, AL122098, AL049464, A08912, AC002467, AF183393, A12297, X70685, AL031732, AC010077, AL122110 |
| 1516 | HATCV09 | 876534 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2095 of SEQ ID NO:1516, b is an integer of 15 to 2109, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1516, and where b is greater | AI650305, AI949332, AI206515, AI188549, AW169558, AA857218, AI433853, AW204540, R68303, R42247, AA994295, AI580329, AI624558, AA602338, R44174, Z40075, AI015727, N34408, R74002, R68268, R53421, R54010, Z38312, R44219, R49558, AA090402, F01959, AA090979, U72788, AI304833 |

| | | | than or equal to a + 14. | |
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| 1517 | HCRNE16 | 876535 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 576 of SEQ ID NO:1517, b is an integer of 15 to 590, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1517, and where b is greater than or equal to a + 14. | AI274758, C06072, AI589250, AI470584, AA227219, AW021868, AA747122, T27280, AC007501, U80736 |
| 1518 | HCRPV63 | 876536 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 411 of SEQ ID NO:1518, b is an integer of 15 to 425, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1518, and where b is greater than or equal to a + 14. | AI143683, AI924826, AA086365, AI792153, Z79581, Z79582, S81107 |
| 1519 | HSKKP02 | 876538 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1172 of SEQ ID NO:1519, b is an integer of 15 to 1186, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1519, and where b is greater | AA916748, R83779, AA331626, AA400220 |

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| | | | than or equal to a + 14. | |
| 1520 | HOVAN13 | 876540 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 446 of SEQ ID NO:1520, b is an integer of 15 to 460, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1520, and where b is greater than or equal to a + 14. | |
| 1521 | HWBEX78 | 876543 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1658 of SEQ ID NO:1521, b is an integer of 15 to 1672, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1521, and where b is greater than or equal to a + 14. | W20138, AA229752, AI380196, N44538, AA026809, R41836, N71112, N33777, W05473, AA026870, W15415, AA888089, W39614, R68936, AI143439, H05574, AA229960, H00351, R63287, T54159, C05110, AI867490, H00306, W91983, T53767, R63233, AA768472, T54164, R71658, R71163, N91009, T53773, R68825, AL137657, AL109669 |
| 1522 | HRODG74 | 876544 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 574 of SEQ ID NO:1522, b is an integer of 15 to 588, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1522, and where b is greater | AI797095, AA902901, N47240, AI252632, AI718169, AW079806, H09548, AI203811, AA459245, D25745, C21350, R63205, AC006065, AC002368, AF025422 |

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|---|---|---|---|---|
| | | | than or equal to a + 14. | |
| 1523 | HCROK30 | 876545 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 506 of SEQ ID NO:1523, b is an integer of 15 to 520, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1523, and where b is greater than or equal to a + 14. | AA278251, AA682308, AI540716, AI184153 |
| 1524 | HDABK73 | 876546 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2777 of SEQ ID NO:1524, b is an integer of 15 to 2791, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1524, and where b is greater than or equal to a + 14. | AI744148, AI744113, AI860811, AI889014, AI765413, AW237314, AI765401, AL042645, AI867571, AW293518, AA534578, AI432178, AW169762, AA506984, AA420605, AI142237, AA406169, AW188054, AI147954, AA430324, AL040186, AI197943, AI589634, AA569041, AI015938, AA433904, AA070872, AI188829, AI124780, AA421239, AI149224, AA420647, AI916160, W73655, AI076564, AI768356, R51293, AI638215, AI125307, W51790, AA172002, AA425349, AA565222, AA313542, AA825728, R35270, AW204507, AA100809, W28763, AI222042, AI479185, W26572, W45413, W73608, R52192, AI160529, AW440819, AI422286, AI298011, AA171761, AA421279, R51403, H62930, R52097, R59309, AA581790, W81419, AI768849, W40121, AI708313, AA373236, AW368276, AA434583, Z42217, W81420, AI962360, AA325784, R59310, AI271621, T25845, T06069, F05246, AA806028, Z38264, AA071023, AA815452, N54389, AA810542, AA383377, AI370602, R50941, T87272, T87186, F01748, AA947741, AA773493, AA890049, AI985779, AA984284, AW272799, AL043147, AB007891 |
| 1525 | HOGCO78 | 876548 | Preferably excluded from the | AI471995, AW393929, AA044743, AI741975, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 673 of SEQ ID NO:1525, b is an integer of 15 to 687, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1525, and where b is greater than or equal to a + 14. | AA044797, AI720824, AI992258, AI480029, AI803250, AI095557, AI245572, AA662934, AA876346, AW327457, AW393932, AW157188, AI669783, AI286104, AA025525, AI090194, AI128230, AI095934, AI189306, AI950299, AI467898, AA028934, AI742307, AA194396, AI809949, AI160162, AI122798, AI034059, AI244940, T55337, H22613, AI431317, AA746600, AI150927, R19215, AI431319, R96173, AW043889, AA876265, AA844331, AW129224, AA860575, AA487470, AI432084, U56654, AW157607, AA669015, AI825990, AA335548, AA731264, AA932576, AA768549, AI270663, AI497894, AI221399, R13183, T39355, AA564849, AI866853, AW272239, AW150208, AI572774, AA668506, AI872423, AI866127, AI568138, AA641818, AI923370, AW118518, AL038665, AW264727, AI582932, AW078818, AI866469, AI687168, AL037582, AL037602, AI241923, AI613038, AI473536, AI866465, AI559872, AI955117, AW020095, AW078606, AI288285, AW090451, AL046942, AW079409, AI635016, AL079963, AI827058, AI590043, AI866780, AI687166, AI620302, AI611738, AI446721, AI961589, AL041772, AI500061, AI457589, AI559752, AW166870, AI125884, AI687127, AI802542, AI452707, AI932503, AL039132, AI581362, AI624293, AI434656, AI587279, AI561228, AW051226, AI348870, AA983883, AL135024, AI289542, AI554821, AI453339, AL138420, AW149925, AW150557, AI915291, AL039086, AW163834, AI654276, AW026882, AI433157, AW083572, AI702073, AA225339, AI860897, AI418681, AL036638, AI923989, AI800341, AW131294, AI539800, AI621341, AI633125, AI698391, AI538564, AL040827, AL046466, AW152182, AI270429, |

AI355779, AI695726, AI638644, AI628325,
AI819014, AI818980, AW079075, AI357644,
AW262552, AI927256, AW128834, AL046595,
AI636588, AI651840, AW054964, AL119399,
AW264895, AI884318, AI889189, AL120995,
AL048323, AI912434, AI474146, AL048340,
AI612913, AI469270, AW024793, AI818353,
AW105459, AI866770, AI445303, AI309306,
AI475806, AI267185, AI583558, AI932794,
AW410259, AI686576, AI335214, AW148294,
AW198090, AI270706, AA502794, AL039716,
AI891084, AI520702, AI691088, AI569975,
AI434731, AI538817, AI571439, AI279925,
AI281757, AI270295, AI819545, AI701975,
AL036673, AI670002, AI335426, AI348777,
AW051088, AI819976, AI927233, AI912438,
AI491842, T69241, AI963846, AI873638, AI565172,
AW148544, AI270183, AI699823, AW263355,
AI612750, AI540674, AI817523, AW087915,
AL041573, AL043152, AI433611, AL080011,
AL119457, AI670009, AI285735, AI824576,
AI921254, AI538885, W74529, AW020397, AL046618,
AI926367, AL135047, AI929108, AI446373,
AI500714, AW196078, AI673363, I33392, AL137480,
I03321, A77033, A77035, I89947, AL122050,
I48978, AL133640, AF008439, AF111849, AF047716,
AF090900, X63162, AF106657, AR013797, AF102578,
AL137530, AL096744, A08910, A08909, AL096751,
AJ005690, A08908, AF090903, AR038854, X82434,
S36676, AL137557, AL137476, AF183393, AL080154,
AL117457, A08913, Z97214, A65340, AF107847,
I17544, A08912, E06743, AF111112, I48979,
I33391, AL117416, AL117460, A08916, S76508,
AF131773, AF026816, AF215669, AL133075, U78525,
AL122093, AL133113, AL050092, AR034821,
AF061573, U58996, A58524, A58523, AF090934,

AF113677, Y14314, AL050155, AL117435, S78214,
A86558, AL049938, AL049466, AL137550, AL133014,
AF090896, D83032, E05822, X84990, AF017437,
Y16645, A18777, AL050172, AL137711, AL137292,
Y11587, AF113019, X79812, A08907, I89931,
AF141289, U68233, I92592, AJ003118, AF185576,
AL110280, U77594, I49625, A65341, AL050024,
AJ000937, AF087943, A76335, Z82022, AL080234,
AL122100, AL137558, I32738, AF030513, E01614,
E13364, A03736, L04504, U88966, AL049464,
U42766, AF028823, AF113699, Y09972, AF124728,
AL023657, AL133665, AL080148, AL137521,
AL137463, AL122110, I89934, AR020905, AL137429,
S78453, AL133645, AF115392, Z13966, AL117585,
A93350, S69510, AL137533, AF177401, AL117440,
AL050138, AL133010, AF182215, X83508, AF100931,
E02349, AF061981, AL137479, U72620, A15345,
AL137539, AF097996, AF067728, AL137478,
AL080159, AR029490, AL133557, E01314, Z37987,
AF125948, I66342, AJ010277, AF090901, AL110222,
AR011880, AF118094, AF090943, AR068753,
AL110296, AL137459, AL049452, AL137529,
AL133016, A23630, AF081197, AF081195, AL117648,
X06146, X56039, X62580, AL137560, AL137271,
AL133081, L31396, S77771, AL137537, L19437,
AL049314, A49139, AF061795, AF151685, S83440,
AF044323, AL050393, AF106862, AF169154, A08911,
U67958, Y10936, AL049430, X80340, AF118092,
AF192557, AF176651, AF106697, AF017152, I09499,
I80064, AL137488, AL133619, AL133072, U35846,
AF032666, AJ012755, Y10080, X63410, I89944,
Y10655, AL050277, AL133637, AL117587, AF153205,
AF158248, U80742, AF139986, U75932, A21103,
L04849, AF113694, AF091084, AF113690, AF145233,
AF118070, E04233, AL080110, U49434, AF026124,
U96683, AL110221, AL117578, U87620, A58545,

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| | | | | D16301, AL137658, U72621, AL080126, AF104032, AL110218, I68732, E12747, AL133560, X81464, AF013214, AF078844, AL080060 |
| 1526 | HCRNG10 | 876549 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 694 of SEQ ID NO:1526, b is an integer of 15 to 708, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1526, and where b is greater than or equal to a + 14. | AA737831, AA651628, AI239587, AA912347 |
| 1527 | HWLRR08 | 876551 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 604 of SEQ ID NO:1527, b is an integer of 15 to 618, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1527, and where b is greater than or equal to a + 14. | AI040700 |
| 1528 | HTEFP55 | 876553 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1089 of SEQ ID NO:1528, b is an integer of 15 to 1103, where both a and b correspond to the positions of | AI950957, AA454500, AW301277, AW409745, W19086, AW388466, AW388282, AA129369, AA159858, AW450017, AW418819, H56484, AA437031, AW082355, AW204742, U28413 |

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| | | | nucleotide residues shown in SEQ ID NO:1528, and where b is greater than or equal to a + 14. | |
| 1529 | HDLAR46 | 876557 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 206 of SEQ ID NO:1529, b is an integer of 15 to 220, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1529, and where b is greater than or equal to a + 14. | AL110374 |
| 1530 | H2CBW66 | 876558 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 424 of SEQ ID NO:1530, b is an integer of 15 to 438, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1530, and where b is greater than or equal to a + 14. | AI207993, AI797860, AW137483, AA934986, AA621885, AA569967, AA315265, AA782950 |
| 1531 | HOGDS65 | 876559 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2048 of SEQ ID NO:1531, b is an integer of 15 to 2062, where both a and b correspond to the positions of | AW276060, AW117930, AW271245, AA490688, AI598114, AA315280, AI018136, AW264544, AW378323, AW384544, AW384563, AW378307, AW383155, AW384497, AW086214, AA961504, AA257102, AW192483, AW020066, AA613715, AA461400, AI917637, AW192488, AW021810, AA315269, AA677120, AI783695, AA554460, AI589498, AW378298, AW384566, AW007451, AA461087, AI816732, AW264471, AW368463, |

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| | | | nucleotide residues shown in SEQ ID NO:1531, and where b is greater than or equal to a + 14. | AW368530, AI341438, AW378317, AI290266, AW368521, AI280695, AW384490, AI418400, AI970613, AI160977, AW023591, AA947181, AW243772, AI040737, AA055400, AW316636, AA962716, N71882, AI376268, AW384491, AI076554, AI952506, AA257017, AA490466, H88912, N69323, AI912481, AA055599, N67469, M86849, I74304, X51615, M81445, M63803, U43932, AF144321 |
| 1532 | H2CBX36 | 876560 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1144 of SEQ ID NO:1532, b is an integer of 15 to 1158, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1532, and where b is greater than or equal to a + 14. | AA587891, AA748293, AA313745, AW449668, U84007, U84009, U84010, U84008, U84011, L10605, M85168, AB035424, AB035422, AB035425, AB035423, AB035421 |
| 1533 | HSHAX43 | 876572 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 562 of SEQ ID NO:1533, b is an integer of 15 to 576, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1533, and where b is greater than or equal to a + 14. | H66220, AA809449 |
| 1534 | HCRQI57 | 876575 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AI361150, AI939490, AW089648, AF002993 |

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| | | | the general formula of a-b, where a is any integer between 1 to 887 of SEQ ID NO:1534, b is an integer of 15 to 901, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1534, and where b is greater than or equal to a + 14. | |
| 1535 | HCYBL73 | 876576 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1138 of SEQ ID NO:1535, b is an integer of 15 to 1152, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1535, and where b is greater than or equal to a + 14. | AI744557, AA831793, AI813443, AA480937, AI110686, AA305609, AA521155, AW025562, AI640749, H96495, AA281170, AA987634, AA836072, AA279428, AI671472, AI077333, AI538508, AA480878, H24707, AA554436, AA280869, AI290360, AA968618, AW104195, AI762018, AI863656, AI910555, H24708, AA329735, D80195, D81026, C14389, D80166, D81030, D80522, D80133, D80045, D80164, D59502, D80212, D80193, D80251, D80269, D80248, D59467, D59275, D80022, D80227, C15076, D59619, D80210, D80240, D51060, D51423, D50979, D58283, D80366, D59859, D80391, C14331, D59787, D51799, D80253, D80038, D80043, D80219, AA305578, D80302, AW377671, D80196, D80024, D80188, D51022, D50995, AA305409, AA514188, D59927, D57483, D59610, D80378, D59889, C06015, C14014, D80268, AW360811, D80241, C14429, AW177440, AA514186, D80439, AW178893, D80247, D59373, D59627, AW375405, T03269, D80157, AW179328, AW360834, AW366296, C75259, AW360844, AW360817, AW375406, D51103, AW378534, AW179332, AW377672, AW179023, AW178905, AW378532, AW178906, AW177501, AW177511, C05695, T11417, D51759, AW377676, AW352171, AW178762, AW352170, AW177731, D59653, AW178907, AW378528, AW179019, AW179024, D80132, AW176467, D51250, AW360841, AW178775, AW177505, AW367967, D80134, AW179020, AW178909, AW177456, D58253, AW179329, AW178980, |

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| | | | AW352158, AW178914, AW177733, AW178908, AW178754, AW179018, AW369651, AW352117, T48593, AW179004, D45260, AW179012, AW178774, AW378525, AW352163, AW352120, H67866, F13647, AI525923, D80064, D81111, T03116, AA809122, C03092, C14227, H67854, AW179011, AW179009, C14077, AW178911, AW378543, AW177722, AI910186, AW177728, D80258, AI905856, D59503, AW367950, AW378540, D58246, D80014, D58101, D59317, D59551, AW178781, C13958, AI535686, C14344, AI557774, C14407, AI525917, D45273, C14973, D59474, AA514184, AI525227, AW378533, D51221, D60214, AW178986, AI525920, D60010, AI525925, AI525215, C14957, C14046, AI525242, AW177734, AI525235, C14298, T03048, AI525912, AI525237, AW378539, D80168, AI557751, AA285331, D51066, D51097, C16955, T02868, U13896, U13897, U93309, U14950, U51639, A84916, AJ132110, AB028859, A62300, A62298, AR018138, AR008278, AF058696, A82595, AR060385, AB002449, A94995, X67155, Y12724, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, I50132, AR008443, I50126, I50128, I50133, D88547, I14842, AR066488, AR016514, X82626, AR060138, A45456, A26615, AR052274, I82448, AR016808, Y09669, A43192, A43190, AR038669, AR054175, AR066487, AR025207, A30438, Y17187, A63261, D50010, AR008277, AR008281, AR066490, AR062872, A70867, AR016691, AR016690, U46128, I18367, AR008408, I79511, A64136, A68321, X68127, AB012117, D13509, AR060133, X72378, A85396, D88507, AR066482, AF123263, A44171, AR032065, A85477, I19525, A86792, X93549 |
| 1536 | HHEGC16 | 876579 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI074147, AI249752, AA573289, AI991117, AI744674, AW081142, AW372737, AW383987, AI951269, AI560208, AW372734, AI309528, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1518 of SEQ ID NO:1536, b is an integer of 15 to 1532, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1536, and where b is greater than or equal to a + 14. | AW372745, AA121349, AI097133, AI310351, AI222028, AW073286, AI160271, AA121301, AW170797, AW388634, H69344, AA278853, AW372735, H47623, AA742972, AA864447, N31288, AW372730, AI572193, AA173309, AW188877, H69345, AW363751, AW372731, AW372736, H47925, AI476011, AW372742, AA278420, AW372739, AW372744, H38254, N22901, AA278794, AA769896, AW372740, AW372786, AW372738, AL040673, AF132937 |
| 1537 | H2CBG53 | 876580 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 468 of SEQ ID NO:1537, b is an integer of 15 to 482, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1537, and where b is greater than or equal to a + 14. | AA307226, AB020236, AF045449 |
| 1538 | HCYBF23 | 876581 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 709 of SEQ ID NO:1538, b is an integer of 15 to 723, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1538, and where b is greater than or equal to a + 14. | AA919119, AI949966, AA687405, AA588150, AA721257, AW028336, AA305220, AI522235, AA827201, AW298461, AI220695, AI984660, AI219204, AI026116, M84722, M84721, D12775, D85596, U90888, M84720, D31636, U29910, D88988, D31634, U29907, D31637, U29911, D88989 |
| 1539 | HODCO80 | 876583 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AW076027, R24903, R32458 |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 923 of SEQ ID NO:1539, b is an integer of 15 to 937, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1539, and where b is greater than or equal to a + 14. | |
| 1540 | HCYBG67 | 876588 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 357 of SEQ ID NO:1540, b is an integer of 15 to 371, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1540, and where b is greater than or equal to a + 14. | AA305259, L37080, Z47553 |
| 1541 | HCYBI10 | 876589 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 892 of SEQ ID NO:1541, b is an integer of 15 to 906, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1541, and where b is greater than or equal to a + 14. | AA446378, AA305361, AA502360, AI912345, AA903395, AW377671, D80522, D81026, D80133, AW177440, AW360811, AW375405, AI262837, D80248, AW178893, T03269, C14389, AW179328, AW177501, AW177511, AW352117, D80251, D80269, AW366296, D80366, D58283, D59859, D80022, C14331, D80166, D80195, D80193, D59927, D59467, D51423, D59619, D80210, D51799, D80391, D80164, D59275, D80240, D80253, D80043, D59787, D80227, D59502, AW378532, AW360844, D81030, AW360817, D80212, AW375406, D80196, D80188, AW378534, D80219, AW179332, AW377672, AW179023, AW178905, AA305578, C15076, D80038, D59610, D57483, AA305409, C14429, D51022, D50979, D50995, D59889, AW178762, D80024, D80045, AI905856, |

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| | | | | D51060, AW176467, D80378, AW352171, AW377676, AW352170, AW177731, AW178907, AW178775, AW179019, AW179024, AA514188, C14014, D80241, AW178906, AW352158, AW177505, AW179020, AW178909, AW177456, AA514186, AW179329, AW178980, AW177733, AW378528, AW178908, AW178754, AW179018, D80132, AW178983, AW179004, D80268, C75259, AW360834, D80302, AW178914, AW178911, AW367967, D80134, D80439, C05695, AW178774, D80247, C06015, T48593, D51097, D51103, D58253, AW177723, AW352174, D80157, AW367950, AW378533, AW178986, D45260, D80314, AI535850, AI525913, AI525923, AF078165, AF205888, AF205889, A98521, X82626, A78862, A84916, A67220, D89785, A62300, A62298, Y17188, D34614, D26022, D88547, AJ132110, AR018138, X67155, AF058696, A25909, Y12724, AR008278, AB028859, AR025207, A94995, AR008443, I50126, I50132, I50128, I50133, AR066488, A82595, AB012117, AR016514, D50010, AR060138, A45456, I18367, A26615, AR052274, Y09669, AR060385, AB002449, AR066487, AR038669, A43192, A43190, A30438, A85396, D88507, AR066482, A44171, AR066490, A85477, I19525, A86792, D13509, AR008408, X93549, Y17187, AR060133, A63261, A70867, AR062872, U79457, AR016691, AR016690, U46128, AR008382 |
| 1542 | H2CBE01 | 876591 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 965 of SEQ ID NO:1542, b is an integer of 15 to 979, where both a and b correspond to the positions of | AA307067, AA827296, AA307068, AA972507, AA074169, AL134865, AA096156, AA247393, AA091519, I81218, U30872, U19769, I35495, AF194970 |

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| | | | nucleotide residues shown in SEQ ID NO:1542, and where b is greater than or equal to a + 14. | |
| 1543 | HCYBI92 | 876592 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 287 of SEQ ID NO:1543, b is an integer of 15 to 301, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1543, and where b is greater than or equal to a + 14. | R24666, AA305450, M63635, M64590, D90239 |
| 1544 | HWMCC28 | 876595 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 638 of SEQ ID NO:1544, b is an integer of 15 to 652, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1544, and where b is greater than or equal to a + 14. | AI690065, AI480300, AA927896, AI288678, AI343570, AI343569, AI678924, AW339479, AA836387, AA836420, AC006011 |
| 1545 | HWMAN61 | 876596 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2222 of SEQ ID NO:1545, b is an integer of 15 to 2236, where both a and b correspond to the positions of | AA583339, AI587061, AW192901, AA307800, AA315469, AA568218, AI150400, AA583146, AW374998, AI955582, AW374874, AI832775, AA345780, AA295520, AW360893, AA294858, AI445680, AW360892, AW360931, AA295782, AF102542, AF038650, R32988, H99036, N39174, N45249, N62843, W60278, W79341, W79441, W93292, W93293, W92077, W92073, AA083227, AA102315, AA111889, AA121668, AA121740, AA505444, |

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| | | | nucleotide residues shown in SEQ ID NO:1545, and where b is greater than or equal to a + 14. | AA528215, AA574144, AA738177, AA934667, C20604, AA706803, AA781330, AI015034, AI311392, AI359257, AI360138, AI383772, AI422649, AI582783, AI127637, AI129439, AI130855, AI203460, AI208460, AI610103 |
| 1546 | HCQCR04 | 876597 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 342 of SEQ ID NO:1546, b is an integer of 15 to 356, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1546, and where b is greater than or equal to a + 14. | W79201, AC006001 |
| 1547 | HWMFE48 | 876600 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1158 of SEQ ID NO:1547, b is an integer of 15 to 1172, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1547, and where b is greater than or equal to a + 14. | AA813252, AI911238, AI186148, AI743777, AA868390, AI004989, AI808771, AA838553, AA654365, AI911106, AI092279, AA769822, AA523966, AI955005, AI034008, AW085738, AI302130, AI285082, AA158037, AI991179, AI954918, AI167941, AI738706, AA524173, AA887784, AA552303, AI424977, AI024177, AI051807, W56741, AI720296, AI672956, R99385, AA594882, W85752, AA315098, AW382098, N90665, AA778392, D31212, T65680, AA465630, AA158328, AA641295, AA928364, AA812254, AI351201, W20284, AW382084, AI383689, AA215354, AI873941, AW382340, AA639464, AW382339, AW351859, U17077, U17079, U17080 |
| 1548 | HMTBN44 | 876601 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI446030, D62937, AA344217, AI950787, D62979, D79906, AW151367, AW151360 |

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| | | | is any integer between 1 to 1409 of SEQ ID NO:1548, b is an integer of 15 to 1423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1548, and where b is greater than or equal to a + 14. | |
| 1549 | HCROI04 | 876602 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 443 of SEQ ID NO:1549, b is an integer of 15 to 457, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1549, and where b is greater than or equal to a + 14. | M63806, AF035406, M96066, S68616 |
| 1550 | HTWCT64 | 876608 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 963 of SEQ ID NO:1550, b is an integer of 15 to 977, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1550, and where b is greater than or equal to a + 14. | AW118825, AI582268, AI924840, AI686918, AI689468, AI565967, AI471821, AW167093, AW438815, AI560103, AW192267, AI351758, AI204255, AA948069, AA775662, AI160736, AA975121, AI347454, AW381442, AI086345, AI805695, AA441899, AW132052, AA233648, AW204634, AI470694, AA464178, AA693693, AI061108, AW028857, N90723, AI275105, AI290106, AW130518, N33172, AA031928, AA476308, AI682854, AI358603, AI332311, AW381443, AI696369, AW381398, AI472619, AI383588, AA404636, AA180763, AA233637, AW381420, AA032029, AI559765, N90350, N44956, W06927, AA182891, C05190, AA883620, AI696426, AA618268, D90034, E01793, E01792, E01791, D28915, D28914, D28912 |
| 1551 | HETBI79 | 876609 | Preferably excluded from the present invention are one or more | AI346674, AI348020, AI890197, AW291166, AA167382, AA700159, AI347083, AI056234, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2526 of SEQ ID NO:1551, b is an integer of 15 to 2540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1551, and where b is greater than or equal to a + 14. | AA535792, N76634, AA815232, AI343929, AA490536, AI696964, AI392769, AI346881, AI613246, AA809480, AI318395, AI761658, AI140011, AW190983, AW070699, AA488989, AW291783, AI285896, AA627444, R84232, AI674736, AI280867, H72489, AA488770, AA813879, AI685538, AI858181, AW006758, AA167381, N54554, N71216, AA971023, AA704201, AI612846, AW294335, N22015, R10105, AA744665, AI680111, AI361708, AA313609, N75553, AA337910, H72889, AI689838, R87634, AI867541, AW015119, R38671, R00317, AA548940, AI886417, T98789, W05347, AA337673, T98788, F10720, AI910396, AW374767, AC004687 |
| 1552 | HWTBM65 | 876610 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 594 of SEQ ID NO:1552, b is an integer of 15 to 608, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1552, and where b is greater than or equal to a + 14. | AW137982, AI686316, AW137243, AW193522, AW373055, D79340, AI796896, AC004079 |
| 1553 | HCQBN77 | 876612 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 770 of SEQ ID NO:1553, b is an integer of 15 to 784, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1553, and where b is greater | AA908796, AA431249, AI743453, AI433466, AI613002, AW302156, AA758918, AA595771, AA432263, AA887241, AI459626, AA931083, AI522039, AA707461, AI612992, AA834959, R50375, AI004115, AI203186, R48003, R48117, L47334, AC005324, AA976609 |

| | | | than or equal to a + 14. | |
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| 1554 | HKAED74 | 876621 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1917 of SEQ ID NO:1554, b is an integer of 15 to 1931, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1554, and where b is greater than or equal to a + 14. | AI796510, AA478680, AI972505, AA418501, AI917358, AI923250, AA210747, AI652196, AI652382, AA418404, AI683375, AI224156, AA844697, AA668890, AA315808, AI168734, AI374795, AI469242, AA814749, AI368714, AI347251, AA171797, AI745538, AW450160, AA495861, AI831534, AI206300, AA428536, W95434, AA831973, W95561, AI189412, AA688156, AI867333, AI867770, AI199241, T75325, AI089175, AA479220, AA443765, AA406142, F12995, F13001, T19179, F10596, AA424821, T90046, T19289, T75402, AA776218, F10590, AI868932, AA211708, AI539664, T90147, AA367325, AA428537, AA296374, AA307446, AA171681, AI793116, AI793143, R39216, AF048686, AJ006068 |
| 1555 | HCQAT20 | 876622 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:1555, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1555, and where b is greater than or equal to a + 14. | D81622, D60051, H57196, AI125536 |
| 1556 | HCRMD40 | 876630 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 332 of SEQ ID NO:1556, b is an integer of 15 to 346, where both a and b | AL044257, W40373, AW250560, AA643353, AI991172, AA402608, AW249124, AI554578, AW328561, AW246456, AW051430, AA308337, AI346750, AW166193, AA703840, AI143755, AI951822, AW080812, AI189652, AI885695, AW166148, AW082817, AI953814, AA602780, AI951334, AI191618, AW248692, W45258, AA503856, AI378866, AA916922, AI089026, AA599791, AA032143, H48844, |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1556, and where b is greater than or equal to a + 14. | AA402390, AI192449, AA826583, AW070627, N39330, AF004876 |
| 1557 | HFIHO78 | 876631 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1563 of SEQ ID NO:1557, b is an integer of 15 to 1577, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1557, and where b is greater than or equal to a + 14. | AW150197, AA846471, AI146351, AI276560, H96798, AW016664, AA253395, W07219, H97716, M63896, L13853, S74227, L06865 |
| 1558 | HCRPG35 | 876633 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 264 of SEQ ID NO:1558, b is an integer of 15 to 278, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1558, and where b is greater than or equal to a + 14. | AC004030 |
| 1559 | HSQFQ92 | 876637 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 737 of SEQ ID NO:1559, b is an integer of 15 to 751, where both a and b | AI750171, AI692181, AI275606, AI453065, AI521837, AI634107, AW130839, AI654841, AA424967, AA059190, AA047896, AA148675, AW085538, AA026771, AI261336, AI696507, AA992863, N66291, R85666 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1559, and where b is greater than or equal to a + 14. | |
| 1560 | HUFBF32 | 876638 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1924 of SEQ ID NO:1560, b is an integer of 15 to 1938, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1560, and where b is greater than or equal to a + 14. | AL134555, AI925308, AI625207, AI969783, AW262828, AW263812, AI685887, AA206222, AI086025, AI284055, AA143639, AI268485, AI312871, AL134554, AA969162, AI282923, AA074267, AA206652, N33991, N22039, T09372, AI760417, AA146631, AW083343, AI479411, AA742178, AW054790, AI586977, AI948545, AI991591, T59451, AI565918, AI572624, AA627495, AA236672, AI798559, AW291470, AA292449, AA593202, T58112, AI815717, AI698280, AI432649 |
| 1561 | HTXCO05 | 876643 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 875 of SEQ ID NO:1561, b is an integer of 15 to 889, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1561, and where b is greater than or equal to a + 14. | AW411282, R08081, AA307047, T98713, AW351792, AA325934, AW375839, AI694682, AI968390, AW370749, AW370756, U43431 |
| 1562 | HWMBJ09 | 876645 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1371 of SEQ ID NO:1562, b is an integer of 15 to 1385, where both a and b | AW337919, AA523430, AL044577, AW194215, AI686556, AI671043, AA652193, AI815222, AI694846, AA480192, AI289064, AI910616, AI923986, AI557645, AI799943, AI077441, AW007863, AA481900, AI123788, AW024224, AI355044, AW130857, AW054917, AA552445, AA923164, AA300093, AI686879, AI240984, AI625429, AI446337, AI557649, AI557647, |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1562, and where b is greater than or equal to a + 14. | AA524488, AI557652, AI557651, AI557653, AA579950, AW338240, AI557650, AA480098, AI557656, AI557654, AI557655, AI557648, AA994813, AL044578, AI383197, AA910275, R05862, AA887744, R05776, AI940377, AA594829, AA858443, AI557657, AW337931, AW057864, AI720420, AI557646, AW363060, X87342 |
| 1563 | HSIDP84 | 876646 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 848 of SEQ ID NO:1563, b is an integer of 15 to 862, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1563, and where b is greater than or equal to a + 14. | W61002, AW316845, AI674913, AI678011, AW190676, AI623768, AI934315, AI692242, AI023791, AI935868, AI934327, AI818628, AI589269, AI520775, C05899, AI598121, H58247, AW007303, AI703259, H70829, AI598076, H61582, H70828, AI932542, AI582914, AI587377, AI565896, AI445979, H94487, H79481, AI888892, H61583, M84424, J05036 |
| 1564 | HUSJA29 | 876647 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3093 of SEQ ID NO:1564, b is an integer of 15 to 3107, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1564, and where b is greater than or equal to a + 14. | AW173342, AA478670, AI968093, AI379615, AI634726, AW338720, AW104590, AI683681, AW169497, AI421606, AA694059, AI970918, AI432425, AA258286, AA234386, W49607, AI417965, AI359750, AI672733, AI094753, AI359735, AI421216, AI421807, AI492071, AW169163, AA406244, N50451, AI400745, AW051859, AI770144, AI418973, N94584, N22975, AW009450, AI423399, AI522259, AW150839, AI358559, AI688047, AA970514, AI768455, AA305807, AW243536, AI399686, W49640, AI280345, AA703127, AI632111, T63353, AI865130, AI474045, H47786, AI274468, AI341413, AW016684, AI399864, AA694012, AI097106, AL040613, AW182238, AA431110, R14723, R06613, AA972500, AW342058, AA887754, AW086061, AI026763, W23791, AI205812, AA232656, R67689, AA972808, Z45677, R36481, AA479212, AI567031, |

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| | | | | R62535, R84588, N50507, AA969851, T97034, AA649044, AA315207, AA649043, AI471105, AI086675, R36482, AA613263, AI051650, Z41345, R42442, AI074320, R66089, AA812544, R06604, T96927, R06660, N32390, AI868697, R06669, AA432124, N79367, T63677, Z20112, AA883725, AI220180, AC004711, AB020684, AJ011911, AC005271, A74567, AA770028 |
| 1565 | HCQAG09 | 876648 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 286 of SEQ ID NO:1565, b is an integer of 15 to 300, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1565, and where b is greater than or equal to a + 14. | AF061056, AF084644, AF084645, AJ009936, AF188476, AF182217, AJ009937 |
| 1566 | HCROT53 | 876649 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 523 of SEQ ID NO:1566, b is an integer of 15 to 537, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1566, and where b is greater than or equal to a + 14. | U17105, Z36714, U20612, Z47766, U20636 |
| 1567 | HOENX50 | 876652 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AF039023, AC006432 |

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| | | | the general formula of a-b, where a is any integer between 1 to 319 of SEQ ID NO:1567, b is an integer of 15 to 333, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1567, and where b is greater than or equal to a + 14. | |
| 1568 | HCEOW20 | 876656 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 635 of SEQ ID NO:1568, b is an integer of 15 to 649, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1568, and where b is greater than or equal to a + 14. | AA985339, AA325781, AA041430, AC005531 |
| 1569 | HCRMG16 | 876657 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 379 of SEQ ID NO:1569, b is an integer of 15 to 393, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1569, and where b is greater than or equal to a + 14. | Z99757 |
| 1570 | HCEPH79 | 876660 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AA326212 |

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| | | | the general formula of a-b, where a is any integer between 1 to 552 of SEQ ID NO:1570, b is an integer of 15 to 566, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1570, and where b is greater than or equal to a + 14. | |
| 1571 | HFOYY56 | 876666 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1643 of SEQ ID NO:1571, b is an integer of 15 to 1657, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1571, and where b is greater than or equal to a + 14. | AI828664, AW189077, AA186731, AA058868, AA723578, AL121358, AI221227, AI093392, AI138553, AW019870, AI803661, AA826404, AI004869, N67735, AI188839, AI474328, N64380, T71617, AI630399, AL120719, AA127002, AW386045, AA243169, N70412, N40572, AA977240, AI798975, H41757, H41758, AL046756, H40420, H50495, T91967, N44609, AA125926, H14602, AI950747, H20721, H72253, R10731, AW382088, AA069491, R44126, AI472460, AA045529, AA731653, AW366585, AI148840, AI373402, W58735, N35135, AI889177, AA127021, H71690, AA069453, AA125758, AI312614, AB006965, AF000430, AF061795, AF151685, AF019043, AF107048, AF132727, AF020212, AF020211, AF020213, AF132939 |
| 1572 | HSXDG80 | 876668 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1172 of SEQ ID NO:1572, b is an integer of 15 to 1186, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1572, and where b is greater than or equal to a + 14. | N76733, H97908, AI765923, AA100164, AI161123, AI269285, N45309, AI379293, AA026656, AA425856, H06713, AA628959, N54759, AA323052, AI123671, R78485, AA317233, N88108, T92033, T84742, AW263910, AI400524, AA628884, AW275553, AI039362, R78527, AA249635, AI041425, N52791, AI699248, AA223953, AI191006, N59264, AB020715 |
| 1573 | HHEUK77 | 876675 | Preferably excluded from the | AA313261, AA300475, AA133237, AI768979, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 711 of SEQ ID NO:1573, b is an integer of 15 to 725, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1573, and where b is greater than or equal to a + 14. | AA580098, AA233499, AA314374, AW408727, AA094260, AI751632 |
| 1574 | HHEDO14 | 876677 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1121 of SEQ ID NO:1574, b is an integer of 15 to 1135, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1574, and where b is greater than or equal to a + 14. | AI189206, AI689297, AL037493, AW169116, AA648307, AA062916, AW292736, AI198589, AA902957, AI277799, AA767327, AI311067, AA937974, AA634429, AI004727, AI299652, AA032043, AA862157, AI291351, AA862156, AA181981, AA993666, AA991222, N52079, AA496026, AI000697, AI581889, AW342034, AI972961, AA948363, AA258118, AI971556, N89925, AA041553, H49505, AI017756, AA031961, W19241, F02366, F08820, R22625, H73943, R09488, AI472632, AA748836, AI262706, AA436938, AA877698, AA187708, AA081668, H94003, H49504, H73988, AA244456, AA259104, H95020, AA082449, F11149, F06110, R53670, X77743, X77303, X79193, L20320, Y13120, U11822, X74145, X83579, X57239, X65070 |
| 1575 | HKIMC75 | 876680 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 845 of SEQ ID NO:1575, b is an integer of 15 to 859, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AA193161, T10237, H11797, D44986, R25550, T77684, R91095, H15636, Z42961, R17883, AA371122, AL035427, AF035288, AC007262 |

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| | | | NO:1575, and where b is greater than or equal to a + 14. | |
| 1576 | HWMBI36 | 876683 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 718 of SEQ ID NO:1576, b is an integer of 15 to 732, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1576, and where b is greater than or equal to a + 14. | AI435038, AI912169, AI701595, AI628945, AI819240, AI361891, AI057030, AI808292, AI478205, AA933801, AA633552, AI830350, AA513475, AI093856, AI566604, AI559922, AI000612, AA587035, AI222881, T27670, AI308944, AI308779, AA948404, AI346156, AA857101, AI539010, AI871676, AI628889, AI344797, AA865820, AI658897, AI475182, AW082952, AW102783, AI346307, AI972243, AL045929, AI682106, AI344182, AI590482, AI345860, AI569870, M16937, S49765 |
| 1577 | HE8TM64 | 876685 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1622 of SEQ ID NO:1577, b is an integer of 15 to 1636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1577, and where b is greater than or equal to a + 14. | AI751497, W25812, AA307338, AA305326, AI367808, AA332338, AA545813, AA047778, AI251787, AL045193, D30819, AA319757, AW293922, X68199, X69987, L00923, AJ001381, AJ001382 |
| 1578 | HKLSA57 | 876687 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 645 of SEQ ID NO:1578, b is an integer of 15 to 659, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | |

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| | | | NO:1578, and where b is greater than or equal to a + 14. | |
| 1579 | HOGCV45 | 876689 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1852 of SEQ ID NO:1579, b is an integer of 15 to 1866, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1579, and where b is greater than or equal to a + 14. | AA971761, AA316125, AA779730, AI342295, D82512, D82209, D82400, AI928195, R59543, R51409, Z43988, F11900, T65476, AA081963, AA304478, T65486, D82182, AA188083, X84373, AR031997 |
| 1580 | HADCX04 | 876690 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1482 of SEQ ID NO:1580, b is an integer of 15 to 1496, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1580, and where b is greater than or equal to a + 14. | AI824012, AA768896, AI400750, AW291960, AA449520, AI446344, AI911295, AA482984, AA677454, C75000, AA211913, AA449089, AL039130, AI086104, AA809866, AA814760, AA206769, R51297, Z40045, R59544, T65401, AW440101, AW197032, AA280932, T65412, D81782, R59543, AI916155, F09547, AA206804, AA304478, AA743706, C75037, AA209222, Z43988, R51409, F11900, AA316125, T65476, X84373, AF053062 |
| 1581 | HCRPH70 | 876693 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3884 of SEQ ID NO:1581, b is an integer of 15 to 3898, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AI452523, AI478635, AI744981, AI560901, AI565588, AI798581, AI814640, AA653662, AA421151, AI660891, AW444552, AL039553, AI745043, AI570244, AI333562, AA205872, AI719554, AI149680, AW439417, AI921227, AA694055, AI601268, AA316992, AI393735, AW190924, AA838650, AI269927, AI095118, AW151035, AI769469, AW337209, AI025693, AA969146, AA577235, AL039554, AI049679, AA936325, AI242821, AA814514, AL121252, |

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| | | | NO:1581, and where b is greater than or equal to a + 14. | AW376485, AW131188, AW192413, AL121316, AW014973, AA101068, AL039574, AW131134, AA573629, AA102113, AA961055, AW374678, AA194838, AW178971, AA344374, AW374624, AI183708, AA740187, AI537228, AA226093, R68854, H10750, AI802500, AA225947, AA397942, H13519, AW361330, AI208657, H25331, AA814957, AA618264, AA344846, AW380100, N75624, AA372640, F05661, AA206235, AL046083, T54750, AI701306, AA586552, AI857281, AI202213, H11029, H07142, AA206013, AI141812, AA352818, AI307792, R68760, AW374474, F08374, AA344845, N22383, AA353560, AI869073, AI762329, F01918, AA373973, T54663, N88370, AA092897, AA206054, AI040829, AA356450, R43483, AW374484, H06635, AW389283, AI749924, F04601, T19805, AA082735, AW273597, AW374506, AI557427, AA857322, AI721273, AI423660, AA302091, AA181082, R17993, AW360799, H13417, AA977862, H13460, H13520, AW360925, AI206966, AI206949, AI655406, I32959, X53586, X59512, I32960, X69902, X56559, AF166341, S66213, S66196, I32962, I32961, S52135, AF166343, AF166342 |
| 1582 | HCRQM22 | 876696 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 433 of SEQ ID NO:1582, b is an integer of 15 to 447, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1582, and where b is greater than or equal to a + 14. | AW403014, AI904490, AI831848, AA115313, AI761315, L16783, U74613, U83113, AR030545, A79030, U74612, AC005841 |
| 1583 | HKAEB15 | 876697 | Preferably excluded from the present invention are one or more | AL036025, AW170264, AI752535, AI005255, AI983435, AW246157, AA830412, AA100899, |

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| | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1260 of SEQ ID NO:1583, b is an integer of 15 to 1274, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1583, and where b is greater than or equal to a + 14. | AW029286, AW249623, AI817149, AI188189, AI080559, AI351548, AI800612, AA053203, AI472277, AA514834, AI805161, AW190531, AI674923, AI126935, AI692174, AW338703, AI298396, AA100900, AI371893, AA614754, AI280045, AA775722, AA748994, AW340009, AW021825, AW079812, AA687655, AA157990, AI335523, H28772, AA053118, AA179129, R98683, F37299, AA490300, AA128782, AI222643, AI971507, AA158221, W22913, AI808088, AI241313, AA128683, W75952, AA490392, AA937369, W70210, F27137, AI420918, R98910, AA878476, AA835695, D61351, T47481, AI698637, AA568407, AI114611, AA918093, AI873390, AA191377, AA352963, AA845387, AA206840, AI886265, T99184, AA179130, AA375818, AA190767, H19574, H92872, AA317262, H46433, AL110366, AA852372, AA318585, AA024678, F15781, H19492, AI356724, F29453, T82979, AA024463, H28745, AI864085, AA732079, AI701200, F31250, T47480, AA380664, D61207, AA206841, AA527568, AW087408, T99183, AI345010, AW152550, AI890507, AI815237, AI078510, AA715307, AA809974, AI520946, AA761557, AI445992, AI659795, AA641818, AW075608, AA857847, AW327325, AI860674, AA748353, AW090087, AI567971, AI433976, AL045413, AI860783, AI963172, AI590043, AI624543, AI064830, AI440238, N29277, AL038529, AW088037, AL038645, AW075084, AI310925, AW161202, AI538885, AI828574, AW161579, AI567582, AI289791, AI471429, AL120700, AW151136, AA659314, AI539771, AL121270, AI432644, AW162194, AI537677, AI494201, AI500659, AA425228, AI866465, AI540674, AI815232, AI801325, AL036652, AI500523, AI537617, AI538850, AI887775, AI270350, AI582932, AL043168, AI923989, |

AI872423, AI284517, AI500706, AI890576,
AI445237, AI491776, AW151138, AI521560,
AI889189, AI623799, AI500662, AI539800,
AW172723, AI582912, AI284509, AI889168,
AI440263, AI927233, AI866573, AI633493,
AI434256, AI252414, AI866469, AI273179,
AI805769, AI434242, AI888661, AI312364,
AI500714, AI284513, AI345180, AI888118,
AI285439, AI859991, AI436429, AL079799,
AI355779, AI889147, AI623736, AI581033,
AI371228, AI334884, AI491710, AI440252,
AI431307, AW269098, AL047422, AW268251,
AI114703, AI866786, AI860003, AI610557,
AI431316, AI433037, AI242736, AA808175,
AI887499, AW151979, AI539781, AI364788,
AI867068, AW268768, AI702065, AI539707,
AI885949, AW089557, AI559957, AI285419,
AI500061, AI521571, R65859, AI469775, AI866581,
AW079432, AW089562, AI567953, AI815150,
AI446495, AW131331, AW193530, AA845354,
AI445620, AI671642, AI816055, AC004922, U26541,
I19368, I19367, U65960, U72620, E08631,
AL137480, Y10080, AL080124, S63521, AL110221,
I48978, AF132676, AF061836, AJ242859, Z72491,
U92992, I89947, AF153205, AJ012582, L19437,
A08907, AL122049, A08913, E02914, AF151109,
Z82022, A08912, S77771, AL122093, A03736,
AL137479, A08910, A08909, A08908, S76508,
AL137271, AF017152, AL133049, AL110280,
AB019565, A18777, A77033, A77035, X70685,
X52128, AL050149, AF061573, AL133072, S68736,
A18788, X93495, AF067790, I89931, AF215669,
A76337, D89079, A08911, AR038854, I41145,
I49625, AF113694, S83456, A07588, AL117587,
AL049382, AF126488, AL023657, AL137533, X99717,
AF102578, AL133619, X65873, E03671, AF079763,

A76335, AF118090, E02349, AL117435, E02253,
AL133010, I89934, AL117432, AL133565, AL133606,
S78214, AL137539, AL122110, AF100931, AL137526,
A65340, X79812, AL133080, AL133081, AF192557,
AL133075, U72621, AL080163, AL122121, A08916,
AF078844, AL137429, AF175903, AF065135,
AJ238278, U87620, AL133014, AJ005690, AF182215,
AF115410, X72889, AF113677, I48979, U66274,
E06743, U78525, AF115392, AL080126, AL137550,
A58524, A58523, AL133104, AL133067, AL133077,
AL050277, AF118094, A65341, U58996, AL080074,
AL049466, AL133557, AL137529, AL110158,
AF090903, AL050155, AL137665, AF169154, Y10655,
AF113690, AF090934, AF104032, AF067420, X06146,
Y09972, AL117583, M86826, AB007812, M27260,
AF061795, AF151685, AL110222, AL133054, X63410,
S75997, AL133093, AL133558, I26207, AL050172,
AF017790, AL080158, E01314, AF090900, AF125948,
AL096744, AL050393, AF106862, AF081195, E07361,
I89944, AL133560, AL137537, AL049283, AL117460,
AF109155, M96857, A58545, U57352, AL050108,
AF004162, AL137488, AC004200, E01614, E13364,
Z97214, AL133112, U88966, AL117648, AF162270,
AR068751, AL137627, AF207750, A57389, AF118064,
AL137478, AC004383, I33392, D44497, AL137530,
AL133640, AL117626, AF143957, U95114, AL137459,
AL137711, AL050116, AL137558, A08915, AL110225,
AL122118, AL050092, X72387, AL050138, U42766,
A15345, AF106945, AF091084, X82434, X66862,
AR009628, AF118092, AF120268, AF094480,
AL137471, AL049452, AF044323, AJ010277,
AF090901, AF137367, U35846, AC003032, AL137300,
AF002985, I80064, AF114818, AL049464, L13297,
Y16645, AL049300, A86558, AB029065, AF097996,
E04233, Y11254, AR029490, AL122106, AF111851,
I46765

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| 1584 | HSYAP76 | 876701 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 484 of SEQ ID NO:1584, b is an integer of 15 to 498, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1584, and where b is greater than or equal to a + 14. | AW411543, AL039599, AI351337, AI826980, AA160380, N67961, AI378493, AI951298, AI090558, AI348126, AA478324, AI200956, AA644040, AW024189, AA587243, AI812050, AI362845, F29594, AA776518, AA789114, AA931516, AI003566, AI707494, AA970343, H11327, AA947278, AA076341, AA915984, AI299557, AW299825, AA024520, AA258801, AA169301, AA342232, AA484880, W90755, AA516277, AI015269, R53617, AA113377, AI379669, AA829839, AA876766, H05518, AA053830, AI991853, AA810454, AI766365, R85352, AA502109, AA922383, H09142, AI680956, R69168, AA865843, H85022, AI886514, AA215481, R06394, AA524191, AA074146, AI638009, R76047, AA528723, F19676, AA588290, N56241, N75886, R22963, AW090423, AA088341, N22109, R75873, AA508387, N98357, N67304, AA749208, AA355684, AA258709, R87295, AI192394, AA477680, AA765589, AI886515, AA302356, AA670313, H11756, AA236894, AA304541, AA417858, AW167222, R51947, AA307613, AA478268, AA641818, AI252414, AI312364, AI244249, AI345180, AW269098, AW268251, AI348870, AW268768, AW073865, AI670009, AI473536, AI538259, AW409772, AI307604, AI433157, AI702073, AA838230, AI500061, AW084056, AI633125, AW152182, AI887308, AI872910, AL045500, AW020397, AW079432, AL040184, AI648454, AI766348, AL036631, AW162118, AW051088, AI698391, AI915291, AW088691, AI859991, AI582932, AI872423, AI889189, AI521560, AI866469, AW238688, W74529, AI281800, AI690748, AI569583, AI432030, AI610770, N75779, AI538564, AW161156, AI683173, AW089275, AA235825, AI623941, AI537677, AI890907, AI612852, AL046595, AI918435, AL047344, AI884318, AI569637, AA579618, AI868931, AA001397, |

AI340519, R81679, AI860003, AI625079, AI890507,
AI499621, AW268067, AI620003, N33175, AI963058,
AA420722, AI471909, AL121365, AW198090,
AI890214, R32821, AI612750, AL037649, AI627988,
AL045163, AW151136, AI815232, AW103442,
AW078839, AL037454, AL119828, AL036802,
AI579901, AI538764, AL039274, AA502794,
AA908294, AI863241, AW020095, AI499986,
AI288285, AW083374, AI624293, AI590575,
AI345745, AI950892, AI801325, AI500523,
AI677796, AI537273, AL037030, AI611906,
AI797908, AI500662, AI866770, AI888661,
AL121564, AI498067, AW118518, AI241923,
AI254727, AI366900, AW193850, AW022808,
AW078735, AI889376, AI687362, AL038605,
AI564719, AA693331, AI783530, AI580190,
AI379711, AA505147, AI610895, AW160905,
AI866465, AL037582, AI567582, AL037602,
AI696612, AW163834, AF091555, U37408, AR014566,
AJ010483, AB033122, AF067795, U35846, I48978,
I89947, E04233, AR038854, AJ000937, Z37987,
AF090900, E12747, S63521, I48979, A08913,
AF087943, A58524, A58523, A08910, A08909,
AL023657, AF090934, AF125948, AL137271,
AF026816, AF111849, E07108, A77033, A77035,
AF090943, AF158248, AL133113, A08912, I89931,
AL050172, AL096744, AL080148, AL050393,
AF057300, AF057299, I00734, I49625, E00617,
E00717, E00778, AL133665, X72889, A08916,
AF113694, Y10936, X70685, AF146568, AL122118,
AR013797, AF113019, AF097996, I33392, AL049314,
AF026124, AF090903, AL137533, AL137488,
AL137476, AL133560, X81464, AL133067, AF028823,
Y16645, AL049283, AL122050, AF079763, AL049347,
AL050116, AL137558, AL137480, AJ012755,
AL133080, AL110221, AL117457, AF061981,

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| | | | AF104032, M92439, Y10655, AL137283, A65341, E05822, A08908, E06743, AF177401, U78525, AL137550, AL117435, A03736, AL110280, AL137557, AL080159, AF113699, Z82022, I46765, AF183393, Y14314, AL050149, AL133568, AF185576, Y07905, AL137294, S78214, AL122110, AL049300, AL050024, AL137478, E02349, AL137459, AL117460, AL050155, U88966, AF100931, AL110196, AL049430, AL137529, AL117394, AL137705, AF061573, AL137292, AL110159, X60786, AF132676, AL133640, AF061836, AL110197, X84990, A93350, AF039138, AF039137, AL133606, X83508, AL035458, AB016226, X82434, AF113677, L19437, AL050277, X72624, AL133075, X65873, AL137479, AR011880, A18788, A21103, AF091084, AF017437, AL117463, AL137523, AF061795, AF151685, AL133016, S68736, AF090901, AF106657, AF106862, S36676, AL049938, A18777, AR000496, U39656, AL080110, Y09972, AF090896, AF008439, AF098162, AF113013, AF054599, AF067728, AL117416, AF153205, A07647, I09499, AL050108, AF032666, S61953, X87582, Y11254, AL049382, AL117626, I17767, AJ238278, AL122100, AJ003118, AL050146, AL122093, AL050092, X98834, AL137463, AF113690, AL117644, X83544, AF111851, U58996, AL049466, AF090886, AL117440, AL110225, U80742, AF030513, AL050138, AL133031, AF102578, I42402, U00763, E03348, AF118094, AR038969, AL137538, AL080074, I03321, X59414, AF139986, U42766, AL137660, X53587, D83032, AF162270, X62580, AL117583, L13297, A12297, AL122121, AL122123, E15569, AL080124, AF119337, AF117959, AF113689, AF126247, A65340, U67958, AL137560, U67328, AL133081, AF151109, AL117649, E08631, AL133072, AL110222, AF079765 |
| 1585 | HCRMV17 | 876716 | Preferably excluded from the present invention are one or more | AI492198, AA381672, W44823, AB002357, D26077 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 714 of SEQ ID NO:1585, b is an integer of 15 to 728, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1585, and where b is greater than or equal to a + 14. | |
| 1586 | HOEKC59 | 876719 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1794 of SEQ ID NO:1586, b is an integer of 15 to 1808, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1586, and where b is greater than or equal to a + 14. | AI436209, AW026035, AI401315, AI446530, AA588136, AI591172, AA497132, AA927681, AA497055, AI951115, AI200036, AW238900, AI493315, AI400504, AI089283, AI925204, AW069539, AA857330, AI191461, AI378670, AA410339, AI472923, AA747530, AA766215, AA234951, AA988960, AA037081, AI246277, AI167513, AA704133, AI080251, AI055948, AA614812, AA130081, AI015171, AI493376, AA235125, AA825222, AA449908, AW206209, AA130080, AA029281, W25810, AA613492, Z44379, T19354, AA406250, AA250960, N74300, T19203, AI417639, D82431, AI198426, R23635, Z40312, AW390845, D79780, D79680, R24115, AA455230, AW390828, D63116, AA465608, T10625, W51823, N88198, AA029425, AW390832, D19792, AA258657, AA449961, AA089740, AB003103 |
| 1587 | HKCSL28 | 876722 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 363 of SEQ ID NO:1587, b is an integer of 15 to 377, where both a and b correspond to the positions of | AI275539, AI299922, AI245421, AA872397, AI288931, AA927697, AI244692, AI378809, AA887588, AA917836, AA894628, AI299933, T28672, AL022315, M87842, M14079, M87859, M87860 |

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| 1588 | HHEFB46 | 876725 | nucleotide residues shown in SEQ ID NO:1587, and where b is greater than or equal to a + 14. | AI052256, AI126717, AW189938, AA745594, AI885180, AW070663, Z99376, AI014817, AW239211, AI784576, AW327439, AA524748, AW073683, AW276639, AA835672, AI608763, N36799, AW247076, AA627848, AI127547, AA740916, AW327258, AA166916, AA568685, AA828239, Z99375, AA700740, AW327612, AA812422, AA099018, AA761648, AI051506, AA573156, AI025865, AA503846, AA592898, AA160273, AA775540, AA451628, AI185757, AA768416, AA687268, AI371140, AI371046, AA074799, AW029151, AW250428, AI138225, AI089539, AI004126, AA809470, AI537332, AI073676, AI190076, AI278484, AA167073, AA127406, AA649193, AA721424, AA715174, AA978034, AA524391, AI923795, W88636, AA393865, AW403551, AA173982, AW362155, W73908, AI635344, AA856908, AA962673, AI024400, AA992622, AI167830, AA314538, AI031946, AI752947, AA100657, AI922493, H83589, AA593126, AA888675, R54097, AA031733, AI033288, AA506081, AI380802, AI491801, AI953284, AA085335, AA127405, AA515785, AI761093, AA076411, AA075012, AA305905, W76601, AI039462, AA450223, AA112634, AA082732, W74770, AW341032, AA725074, AA074990, AA009468, AA889213, AA565437, AW079297, AA099096, AI064753, AA027240, H00352, AA173626, AI380804, W88554, AA076267, AW105351, AA076266, W52167, AW021312, AA693887, AA164763, AI249663, AA031732, AA403080, R89292, R51433, AW327440, H02543, N52907, AA113337, AA127505, AI282747, AA164762, AA411811, AI459951, AA133539, AA514558, AI197787, AA160272, AW393147, AA314358, AA933718, C00036, AA639385, |

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| | | | | F25558, H02544, AI696072, H71452, AA361575, R11641, AA115764, AI720134, R54151, AA588847, W73014, R99520, R89293, AA969406, AI797468, AA864670, AI083791, AA628031, AA974650, AA053334, AI379135, AI380120, AA058648, T27975, AA393799, AA738408, AA076505, H94038, AI126113, AW449655, AI686294, T47873, T73141, R16766, AA810517, T74664, R07722, R07723, AI300209, N45959, H47972, AI379137, AA903779, AA876048, AA320546, AA922980, AA782268, R10017, AA644180, R15278, AA356761, AI688217, R93621, AI476203, AI267797, AA027239, AA910612, AI201954, R09847, AW364121, AA179728, H47662, AW104377, AA872213, AI718364, AW166745, AA191273, AA492543, T83787, W24030, AW197934, T11052, AI686637, AW351540, N55602, AA127491, AA665178, W63552, AI143483, R99521, AA009700, R85393, T03064, F05216, F06634, T18456, H94124, M29536, X73836, AL031668, AC007934, AF076927 |
| 1589 | HWBBS84 | 876726 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 984 of SEQ ID NO:1589, b is an integer of 15 to 998, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1589, and where b is greater than or equal to a + 14. | AA775676, AA306997, AW299505, AA295175, AI660377, AI698467, AI925518 |
| 1590 | HSIFZ22 | 876728 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI554023, AI913274, AW383970, AW383965, AW383954, AI539770, AI609013, AL043107, AW383974, AW383967, AW167072, AW383980, AI591170, AA001432, AI612801, AW129469, AI799420, AA001431, AW383968, AI978633, |

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| | | | is any integer between 1 to 2108 of SEQ ID NO:1590, b is an integer of 15 to 2122, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1590, and where b is greater than or equal to a + 14. | AW383979, AW380739, AI289788, AL041919, AI375787, AA888783, AI560125, AW383982, AI129128, AI073851, AI818814, AA157885, AA157573, AW365658, R53920, AW363206, AI590019, W67551, D29067, AA143454, AI273137, T29043, AI681062, AA862112, AW383985, R53921, AI609506, AI648445, C00135, D29068, AI567045, W67580, N74341, AW189660, AA143453, AI168413, D29362, AW383976, AW363205, AW392754, T25083, L34155, X84900, X84013, X84014, U61261, X85107, X85108 |
| 1591 | HCRNB80 | 876731 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 515 of SEQ ID NO:1591, b is an integer of 15 to 529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1591, and where b is greater than or equal to a + 14. | AI750182, S79871, S79910, U37431, S79869, AC004079, Z64816 |
| 1592 | HTPAY47 | 876732 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1202 of SEQ ID NO:1592, b is an integer of 15 to 1216, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1592, and where b is greater than or equal to a + 14. | AL045837, AW290917, AI925409, AW168903, AW068826, AI083568, AW026383, AW262903, AI926513, AI979214, AI890598, AI750592, AW339074, AA418236, AW029483, AW022107, AW295181, AA664461, AI752803, AI740606, AI147688, AA970819, AW068765, AI473816, AI751522, AI925816, AI459360, AI752768, AI752291, AA639417, AI460028, AI752525, AI750945, AI694639, AA599476, AW131293, AA242752, AI750659, AI889686, AI888426, N71781, AI357766, AW021892, AI755098, AA350793, AW067910, AA853461, AA298896, AI784082, AA853579, AA852453, AA852454, AA853800, AA307755, AI925501, AW021059, AA976657, |

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| | | | | AW150473, AW166734, AA627471, R30650, AI752649, C01914, AL049389, AL109718, AB033025, I95744, AR053539 |
| 1593 | H2LBA37 | 876743 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 675 of SEQ ID NO:1593, b is an integer of 15 to 689, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1593, and where b is greater than or equal to a + 14. | AA315933, AA314510, AF121164 |
| 1594 | HWLIP86 | 876744 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 932 of SEQ ID NO:1594, b is an integer of 15 to 946, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1594, and where b is greater than or equal to a + 14. | AW024392, AF121164, AA863031, AA639871, AA954258, AA877523, AA741216, AI289873, AA515094, AA568880, AW272162, AA315933, AA314510, AW135907, AA887896, AA954266, AA577173 |
| 1595 | HGBAM79 | 876745 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 861 of SEQ ID NO:1595, b is an integer of 15 to 875, where both a and b correspond to the positions of | AA424088, AA419164, AI003828, T28640, H69474, Y00291, M96023, S56660, X07282, AF110730, AF110729, AF157483, X59473, I09352, I09359, S63196, X57340, X57339, X56674, X57341, M96022, I09358, M96021 |

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| 1596 | HKAFU85 | 876747 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1243 of SEQ ID NO:1596, b is an integer of 15 to 1257, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1596, and where b is greater than or equal to a + 14. | AI346365, AA641709, AA627539, AI340146, AI909720, AA555216, C16952, AW014754, AA857163, AA975933, T29526, AI431323, AI269804, AW371982, T61465, D29449, AW268543, M30704, AR052268, M30699, M30703, AR052271, M30698, AR052272, M30700, Y09830, M30701, M30702, AR040760 |
| 1597 | HNFEO67 | 876750 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 927 of SEQ ID NO:1597, b is an integer of 15 to 941, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1597, and where b is greater than or equal to a + 14. | AW361809, AA775705, AW361849, AA639664, AW361714, AW370643, AW361561, AW378536, AW378537, AW378541, AA088182, AI185232, AI679593, AW378535, AI831033, AW390710, AA043959, AA088652, AA968933, AA621368, AA628938, AA524822, AA043825, N21038, AW062555, AW361879, AI620610, AI906062, AW385408, AW373796, AW385411, AW385415, AW360894, AF112225, H75542, AW385929, N84722, T19738, AW193817, AW379467, AL135407, AA096480, AA911574, AA745725, AI245925, AA128676, AI087249, AI744235, AI752870, AF201337, X05276, Z98883, AC006316 |
| 1598 | H2MBA27 | 876752 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 491 of SEQ ID NO:1598, b is an integer of 15 to 505, where both a and b | AI571948, AA308400, AA573793, AA314326, AA568312, AA614579, AI925552, AA307578, AA507595, AA614409, AA314825, AA578674, AA582084, AW009769, AA514776, AA588034, AW004668, AA587613, AA858276, AW050700, AI624586, R83818, AI001051, AI910275, AW050690, AA864309, R83377, AA524242, AA507418, AI202532, AI307407, R55389, AI970839, R55292, AI909751, |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1598, and where b is greater than or equal to a + 14. | AI910083, AI909772, AA614539, AI909749, AA506787, X00474, X52003, E02904, M12075, E03953, X05322, X05321, X05030 |
| 1599 | HWLMB30 | 876753 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 266 of SEQ ID NO:1599, b is an integer of 15 to 280, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1599, and where b is greater than or equal to a + 14. | AI307407, AI571948, AI909772, AI909751, AI909749, AW009769, AI970839, AW050690, AW050700, AA524242, AA587613, AA858276, AI202532, AA507595, AW004668, AA514776, AA578674, AA573793, AI925552, AA614409, AA614579, AA588034, AA308400, AA582084, AA307578, AI001051, AA568312, R83377, AI624586, AA314326, AA314825, AA507418, X00474, X05322, M12075, X52003, E02904 |
| 1600 | HHEBN60 | 876760 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1515 of SEQ ID NO:1600, b is an integer of 15 to 1529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1600, and where b is greater than or equal to a + 14. | AI131324, AL037422, AL037391, AW161774, AI890947, AA122289, AA584305, AW273236, AI862040, AW085692, AI209167, AA148506, AI351762, N66647, AI523188, AW273178, AI830451, AA452008, AA705906, AL043832, AI571577, AI219060, AI361659, AA632645, AA662786, AW273354, AI885486, AA627153, AI050005, AA580620, W56473, AI266655, C75555, AA884431, W70047, W70048, N63491, N64411, AW055257, AI424319, AI554547, AI521110, AI559699, AI623228, N92821, AA160261, AA135865, AA171948, AI619980, AW088109, AA169427, AI434909, AW021267, AI539602, N94794, H03661, AA999936, C17025, AI055978, H03756, AI567074, AA151579, AI918516, AA207108, H88943, R70308, AI904987, AA345034, AI970814, H89175, R70632, AA135864, AA740380, AA156595, AA353886, R22230, AA618325, D56914, H44681, AI355451, AI955112, AI919589, C75412, AA577375, C75470, AI907423, T50659, AW263380, D56915, C02126, AI284452, R31847, |

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| | | | | T40470, AI904794, AA384278, AI568036, T39196, C75672, T27972, D55752, R22288, AA862190, AI907464, AA149395, AA513034, R35775, AA484012, AA649723, AA160260, AA074934, AA262411, AA828667, AA501402, AW302880, AI076612, AA506004, AA975564, D19957, L10911, L10910, AL034370 |
| 1601 | HOEMQ68 | 876762 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3082 of SEQ ID NO:1601, b is an integer of 15 to 3096, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1601, and where b is greater than or equal to a + 14. | AI810904, AA603949, AI680975, AI754691, AI126502, AI393833, AI770102, AW261877, AI335098, AI633698, AI093265, AI027769, AI885125, AI373081, AI580943, AI393771, AA749301, AW338708, AI250780, AA287845, AW453050, H71837, W03966, AA152044, AA603836, AA287846, AA042955, N99630, W02451, N25637, AI917997, AA244066, R63787, AA578977, AW239000, R78310, H54574, AA037115, N34235, AI240141, AW130305, H02870, AA042815, R73884, AA334992, AA114063, AA515422, AA368391, R62757, AA311857, R82819, AI128764, R63733, AA664138, AA953035, AA113801, R63857, AA298118, R23143, R62758, T69806, AA303428, R34175, R73971, H59544, R23144, T70792, R31823, R82820, AI933547, AA244223, AI806610, AA742952, AI453225, AA327996, AW338192, R22283, R77939, AI240290, N72673, N95485, AA152084, AI383282, H60415, N98505, AW361055, R32084, R31777, R34297, R32031, AA374818, AA300327, AI076967, AA622059, R63858, N73903, AW150955, AI368478, AA037154, AW087179, AL080209, X67780, AF130561, M96248, M64474 |
| 1602 | HHFCP36 | 876764 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 322 of | AA347863 |

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| | | | SEQ ID NO:1602, b is an integer of 15 to 336, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1602, and where b is greater than or equal to a + 14. | |
| 1603 | HTXKH86 | 876767 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1021 of SEQ ID NO:1603, b is an integer of 15 to 1035, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1603, and where b is greater than or equal to a + 14. | AA314774, AI291017, AA191539, AI298290, AA147791, AW238920, AA308544, AA187762, AA081307, AA075926, AA773549, W52392, AA780574, AL038991, AA307244, AA181578, AA081167, C06415, AW402249, AA165319, AA132481, AW247110, AA076454, AA079384, AA304499, AA181561, AI857405, T35498, C06389, AA181655, AA314234, AA352654, Z45227, AA992505, AW000888, AI651014, AI392985, T34265, AI344273, AW341319, AA190808, R71708, AF104669, U87954, AR035973, U59435, X84789, U43918, U50137 |
| 1604 | HISCI72 | 876771 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2217 of SEQ ID NO:1604, b is an integer of 15 to 2231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1604, and where b is greater than or equal to a + 14. | AI743600, AI885169, AI937505, AI042181, AA854952, AI522015, AA400219, AI522002, AA305093, N26064, AI888285, AA400130, AW296334, AW292016, AW440393, AI146794, AA187458, AI262079, AA855005, AI476446, AA187590, AI202446, AA860740, N50825, AI014949, AA041540, AA846133, AI335358, AA885027, AI038001, AW163208, AW070692, C06284, AA838476, Z43206, C05759, AA190468, AI680041, AA635314, AI034110, AA622708, AI000051, R64675, W44694, D60048, AA805958, F07813, Z40908, AA565995, F02659, AI471921, F05522, F05523, AI034108, R27644, AW236720, AA039917, AW163735, R64676, R27550, W38645, F01794, F01795, AW263460, D52614, AW151942, AA090824, C00912, X92396, AJ225782, X96737, AJ004799, AJ225808, X95807, AJ133541, AJ133539, AJ225807, X95806 |
| 1605 | HJACJ75 | 876773 | Preferably excluded from the | AA309052, AW247981, AA311506, T87086, AA352616, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 665 of SEQ ID NO:1605, b is an integer of 15 to 679, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1605, and where b is greater than or equal to a + 14. | AW339919, R01803, AW054854, H63371, AI097555, AI128037, AW392879, AW392871, AI197762, AW392909, H45736, U18300 |
| 1606 | HTEDS58 | 876776 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1663 of SEQ ID NO:1606, b is an integer of 15 to 1677, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1606, and where b is greater than or equal to a + 14. | AA147098, AA506483, AA459122, AA553631, AA687219, AA639000, AA507321, AI475344, AW016032, AA902221, N47467, H15303, W69943, AA419435, W69833, AA680161, T27895, AI680311, H93979, C75158, H93980, R25544, AA223335, H15697, AI758259, AW079484, F02620, AI933243, AI680312, F02623, AI191766, R12384, AA371184, AA714796, AI383543, T69739, R09794, AI873805, AI581822, AI371311, R15273, AA093267, AA312224, S67325, X73424, AB000886, M14634, M13573, AJ006497, AJ006496, AJ006499, AJ006494, AJ006488, AJ006491, AJ006493, AJ006492, M31167, AJ006498, U86128, M31169, AJ006495, M31168, AJ006489, AJ006490 |
| 1607 | HUVHP60 | 876789 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1195 of SEQ ID NO:1607, b is an integer of 15 to 1209, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1607, and where b is greater | AA347492, AA307478, R18976, AA233030 |

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| | | | than or equal to a + 14. | |
| 1608 | HUFCI29 | 876791 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2594 of SEQ ID NO:1608, b is an integer of 15 to 2608, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1608, and where b is greater than or equal to a + 14. | AW007623, AI963511, AI587104, AI453405,<br>AI694729, AI796832, AW363443, AW387811,<br>AW387793, AI826957, AW361899, AI955696,<br>AI955780, AI827005, AW387799, AI828295,<br>AW192552, AA581220, AA527188, AW387817,<br>AW363244, AI818260, AI956167, AI801443,<br>AI904486, AI400372, AI921063, AW338519,<br>AI693877, AI074261, AI927711, AI956102,<br>AI920992, AI972695, AI911695, AI828218,<br>AW076111, AI682785, AI921387, AW387812,<br>AW337936, AW363218, AW364488, AI346975,<br>AI913862, AW440967, AW130304, AW360772,<br>AI696946, AI672948, C05920, AI587485, AW070932,<br>AI635943, AI262029, AI739440, AA100719,<br>AI955836, AI262264, AW376483, AW130542,<br>AI972967, AW175800, AW387796, AA579753,<br>AI446049, AI569938, AI934313, AI609930,<br>AI677998, AI431963, AA553880, AI828330,<br>AI597812, AA040073, AW360835, AA917638,<br>AW377104, AI682718, AI354639, AW376508,<br>AW192548, AI962102, AW376484, AW392307, U47705,<br>AI813978, AW362727, AW361642, AA828073,<br>AI261531, AI277071, AW136050, AW361304,<br>AI934325, AA152037, AI695028, AI631388,<br>AW377034, AA316326, AI470301, AI962061,<br>AW377083, AW360762, AW362547, AI640638,<br>AW391349, AW375920, AW376475, AW243579,<br>AA130547, AW365061, AI961867, AA135037,<br>AA581264, AI250167, AI453469, AI696953,<br>AW376234, T29561, AI589481, AI582988, AW387713,<br>AI537547, AW387715, AW376010, AI926514,<br>AA132781, D45505, AA367446, AA838269, AA295348,<br>AI828399, AI473526, AI587351, AA053595, T93569,<br>AW376489, AW393447, AI584131, AA132182,<br>AW360942, AL121028, AI569894, AI264699, |

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| | | | AI264753, AW377162, AA132598, AA055605, U53097, AA587700, AW387798, AW387806, AI572732, AI955608, AW373707, AA834430, AW374782, AA584940, AI872586, AW176585, AW364936, AW373781, AW373783, AW373636, AI611749, AA053542, AW374712, AW198029, AW075785, AA132613, AW373627, AW338946, AW374717, AA366310, AA151939, AW364088, AW373705, AA366104, T29474, AI991653, AW364960, AW375981, U54607, AW373640, AW365022, AW373637, AW374744, AW373728, AW363272, AI572766, AA366576, AI904461, AW383505, AW383659, AA588827, AW362544, AW383654, AW373780, AW360980, AW376560, AW373706, M18728, E01972, I08158, M18216, M29541, A43167, E01971, M29540, M17303, AR044683, E03351, D90312, M69176, D12502, I08161, I08159, M72238, J03858, E03352, D90313, I08160, I08157, X16354, E03350, D90311, AR052807, AR052808, A39900, I08156, M15042, X16455, E01630, A43169, A43165, X52378, D90064, AC005204, AC004558, AC005392, AC005797, AC004785, AC004610, E03349, D90278, X16356, AF107735, AF006622, M17082, M16234, E03348, D90277, M22433, L00693, I08155, L00692, X16454, A37261, X62151, M16337, I08137, I08165, M76742, AF006623, U06673, M59260, M59256, M22434, M59257, M59258, U73590, U73589, T92142, AA040122, AA054073, AA054457, AA134992, AA939328, T10888, AI445504 | |
| 1609 | HCRNO02 | 876795 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1999 of SEQ ID NO:1609, b is an integer of | AW299764, AI686197, AI304852, AI744076, AA524023, AW418630, AI956147, AW149583, AI492144, AI763361, AI056100, AI264648, AW293714, AI955008, AI692564, AI911582, AW439524, AI261883, AI922688, AI623527, AI092437, AI871936, AI471612, AI092438, AA101743, AW272851, AI582628, AA016250, |

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| | | | 15 to 2013, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1609, and where b is greater than or equal to a + 14. | AI367070, AA976607, AA583461, AI249930, AW051844, AW205361, AA507715, AI954585, AA922244, AI273733, AA126244, AI087863, AI251918, AI334712, W67736, AI242730, AA101742, AW135527, AW402172, AA640129, AI347209, AI286337, AI581372, AI469691, AA069014, AA934842, AA508884, AI887809, AA831979, AI244186, N50480, AI275702, N50424, AA736752, C20724, N95586, AW304156, AA459318, AW192272, AI275964, AA947333, AA902224, AI220977, AA742300, AA321817, AA553858, R63954, AI933896, AI569580, AW084360, AI802071, AA888637, AI802496, AA364540, AA330481, AI623357, AA459100, AI879891, AA321816, AA806651, AW270487, AW117230, N73503, AI763427, AI570080, AA602961, T27344, W25008, AA306002, AW377570, AA016984, W67735, AA377036, AA092406, AA876851, R27168, AA069079, U18914, S82081, U35428, D82579 |
| 1610 | HAUAF56 | 876798 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 590 of SEQ ID NO:1610, b is an integer of 15 to 604, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1610, and where b is greater than or equal to a + 14. | AA843663, AI636447, AI652163, AI741572, AI734839, AI191667, AI311840, AI092011, AA838667, AI651387, AW236921, AW241575, AA861653, AI800862, AA602368, AI689816, AW051840, AI354951, AA573089, AI148406, AI141828, AI183782, AI194006, AI693445, AI635512, AI493869, N90872, AW237388, AA126737, AA732844, AI192168, AI217045, AA137055, AA994789, AI493086, AA845631, AI094429, AL047557, AA181124, AI140430, AI860338, AA723326, AA506514, AI718897, AI142056, AA694462, AA527690, AA719919, W60495, AI128784, AA295736, AA719929, W74729, AA046090, AL079932, T27623, AI183793, AA777211, AA187497, W60781, W02217, AL047558, AI962738, W57590, W58378, AI040455, N78658, AA128249, AI092598, AI127083, AI767352, C00790, AI796294, F21069, AI962745, W58054, R82964, AI127007, AA319961, H25260, |

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| | | | | AA046133, F29476, AI024494, D57900, AA187496, R27633, F15904, N92901, F16228, AI880466, AA513941, AI028160, AA320194, AI942291, W15147, AA515161, AA319909, H27992, AA137126, AA032269, W17092, AA305767, AA317925, AA315585, AA316680, AA385920, AA082685, AA393514, AA319917, R82782, W21107, H58270, W60536, AW385090, AI857611, AA320009, AA125888, H48415, W74517, AI080481, H74142, W23645, F37285, AI831575, AW009545, AW405620, AI766029, AI208938, AI338767, H30492, AI907307, F00610, N86957, AI955298, AI904744, C02928, F31730, AA300671, AW375698, AA778636, AA314317, AW131256, AW173066, AI590946, AI880624, AI566275, N91884, AI610714, AA640156, AI573297, AI475815, H26962, AI923989, N25033, AA804541, AI638798, J02874, A98023, M94856, AF181449, AF102872, AF136241, AP000547, AP000365, I88901, R82963 |
| 1611 | HHEUM25 | 876802 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 965 of SEQ ID NO:1611, b is an integer of 15 to 979, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1611, and where b is greater than or equal to a + 14. | AI817822, AA148948, N50594, N25959, AA086480, AA148949, AW272750, AA374494, AW105366, AA160920, N50540, AA602221, AA160014, H53938, AI079093, AI015698, AI439431, T89890, AA086479, H83411, AB033097 |
| 1612 | HWLQW08 | 876804 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 490 of | AW294678, N67220, AI538999, AW119213, AI367010, AI039731, N91158, AI357776, AW051603, AI435358, AI369016, AI091413, AI435427, AW296026, AW195056, AI765593, T16459, H99837, R55315, D29082, H88285, AI537645, R33635, D63011, AI553628, AI923565, AI270171, H49679, D61792, |

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| | | | SEQ ID NO:1612, b is an integer of 15 to 504, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1612, and where b is greater than or equal to a + 14. | H52824, R55417 |
| 1613 | HOEOP07 | 876807 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1636 of SEQ ID NO:1613, b is an integer of 15 to 1650, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1613, and where b is greater than or equal to a + 14. | AI290876, AI765569, AI808777, AI338031, AA913566, AA573434, AI568487, AW175945, AI365073, AA845201, AA919010, AW418765, AA236333, AI127241, AI014784, AA687950, AA860243, AI393429, AA236239, AI266211, AA315078, AI802767, AA581469, AA620711, H45711, AI679135, AI572470, AA332122, AI024576, R70552, AA296901, AI809670, AW008766, AI915360, AI687397, AW023240, H45668, H04001, AA297249, AA621680, AW188056, D25944, AW196645, AA506116, H26091, AW193001, R70465, AI784132, AA382289, H03205, AI537449, D58213, AA298492, AA298805, D58295, AA904960, AA298494, AW020800, C03318, AA370634, AF105036, U20344, U70662, AF117109, AF022184, U70663, L26292, AB028623 |
| 1614 | HCQAE79 | 876809 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 973 of SEQ ID NO:1614, b is an integer of 15 to 987, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1614, and where b is greater than or equal to a + 14. | AI346844, AW001371, AI991265, AI246778, AI749252, AI832475, AW000710, AI672920, AI991837, AI677743, AI281892, AW000809, AI991841, AI983400, AI673613, AW054915, AI991308, AA857748, AI672894, AI732375, AA534503, AI475425, AI673137, AI732350, AA523410, AI991039, AW001307, AA327452, T28149, AA327059, AI991842, AW374797, AI688199, AI475214, M94132, L21998, I95743 |
| 1615 | HCQDR53 | 876811 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI738919, AI923216, AW237190, AI769620, AW137673, AI905420, AI905431, AI148633, AW272315, AA587775, AI499299, AW072235, W60565, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1473 of SEQ ID NO:1615, b is an integer of 15 to 1487, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1615, and where b is greater than or equal to a + 14. | AA774861, T85091, AA150805, AA666115, AA150811, T33125, AA173650, T84156, R49735, AA150702, Z43018, T35291, H82424, R72617, AI221587, Z38222, Z39956, AA150709, F03307, R48157, T35290, R40351, T35286, H71220, F03153, D61519, AI650460, H71219, AF034745, AF034746 |
| 1616 | HOEFO36 | 876816 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 699 of SEQ ID NO:1616, b is an integer of 15 to 713, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1616, and where b is greater than or equal to a + 14. | AI453687, AI571506, AI417180, AI453138, AA993886, AL048366, AI587024, AA769711, AA906543, AI333633, AI692876, AW007640, AI399951, AI983818, AI750469, AI433964, AW130422, AI355200, AI567515, AW069544, AI367996, AW338539, AI925385, AI583403, AI014460, AI077522, AI435310, AI969659, AA149832, AI016334, AI016317, AI804042, AW068411, AA131691, AI339632, AI750268, AA476585, AI955590, AA962069, AI753179, AI247016, AI338848, AW073799, AI753153, AW068385, AI378389, AW073223, AI752287, AA600284, AI474336, AI359229, AA569973, AI342311, AI623621, AI753719, N23207, AI587013, AW068131, AA149811, AA723444, AA996275, N90797, AI888908, AI016443, AI961932, AI445548, AI783830, AA252895, AW382060, AA860598, AI417168, AI913843, AI624276, AW078934, AI635286, H88017, AW296238, H38240, AA131706, H88241, H88729, AI251004, AI351084, AA481319, AA194241, AI520853, AW068232, AI566383, AA853382, AA055161, AI610126, AW021156, AW021155, AI359367, AA586748, H78023, T79480, AA853653, AA779368, R40660, W86006, AW023185, AA055064, T94348, AI033179, AA677178, AA976366, R51036, AA156786, AA131536, C00154, AA131612, T28255, AI701212, R40533, C16582, C21348, |

| | | | | D25653, H88728, L12350 |
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| 1617 | HFIAL22 | 876817 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3508 of SEQ ID NO:1617, b is an integer of 15 to 3522, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1617, and where b is greater than or equal to a + 14. | AI346330, AA149866, AW190828, AA149859,<br>AA625208, AA156875, AA569973, AW237648,<br>AI610126, AI016317, AA315598, AA741426, N28788,<br>AI247016, AI753179, AI160032, AA476585,<br>AI033179, AI130835, AI342311, AI359229,<br>AI016334, AI378389, AA600284, AW376487,<br>AI753153, AI804042, AI474336, AI338848,<br>AW068385, AA677178, AA435731, AI750719,<br>AI752286, AW376482, N23207, AI075364, AI623621,<br>AI359367, AI752287, AW068222, AI587013,<br>AA962069, AA996275, AI750268, AA137125,<br>AI246892, AI753719, AW073223, AA252872,<br>AI417168, AI955590, W19516, AA397612, AA137054,<br>AA316564, W94600, AI750531, AA723444, AI453687,<br>AA860598, AW382060, AI752635, T79570, AI624276,<br>W95178, AW067923, AW294003, T28255, AW296238,<br>AI571506, R51145, H88729, AA331775, AA313295,<br>AA481319, H78022, AA307252, AI351084, AA316570,<br>AA625464, AW023185, N83257, AA448908, R14334,<br>AI417180, AI520853, AI566383, AA055161,<br>AA307888, AA639814, AA853383, AA993886, T79480,<br>AA375731, AA853653, W86005, AW299293, H88728,<br>AA327868, AA055064, AA906543, W86006, AW068232,<br>AL048366, T94703, AI333633, AI587024, AW007640,<br>AI750469, AI453138, AA193298, AA769711,<br>AI983818, AI692876, AW130422, AA131536, C00154,<br>AI355200, AA131612, AI367996, AW338539,<br>AI925385, AA382961, AI399951, AI433964,<br>AA344029, AW068411, AI014460, AI701212,<br>AW069544, AI750269, AA374787, AA040676,<br>AI583403, AI567515, W46226, AI969659, W46227,<br>AI077522, AA149832, H38013, AW073799, AI435310,<br>AA976366, C21348, AA149811, AA131691, D25653,<br>N90797, AW068131, AI635286, AA252895, AI888908,<br>AI783830, AI961932, N66997, AI016443, H88017, |

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| | | | | AI913843, AI445548, L12350, M81339, X96540, L07803, M60853, M87276, M64866, X87620, M62462 |
| 1618 | HWLMN85 | 876822 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 888 of SEQ ID NO:1618, b is an integer of 15 to 902, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1618, and where b is greater than or equal to a + 14. | AI742117, AW051723, AA933088, AI246040, AI702461, AA612941, AA017379, AI362464, AA173916, AI474790, AI802234, AI863510, AA059061, AI284788, AA724009, L20826 |
| 1619 | HCGLC91 | 876823 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1144 of SEQ ID NO:1619, b is an integer of 15 to 1158, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1619, and where b is greater than or equal to a + 14. | AI140351, AI859347, AA530873, AA121548, AI815642, AA768342, AI864674, AA127712, AA722381, AA987515, AW275917, AA417302, AI354682, AI025466, AI859814, AA130959, N92869, AA100477, AW190165, AA768339, AI920875, AI051671, AW089493, AA417265, AA587755, AA045598, N21328, AA314322, AI371694, AA844332, AA043186, AI567303, R83064, AI350331, AW193146, AA580315, AI039892, AA828283, AI952434, AW377665, AI289086, AA100476, AI014387, AA917482, AA975893, N21020, AA621534, AA045597, H94056, AA306867, AW406948, AI564973, AI816957, AA729835, AI289415, AW103201, AI187288, AA661773, H80956, W04309, AW088039, AI018462, AA649285, AI083853, AI952495, AI419448, N47889, R89903, N27984, T40562, D82429, N80197, AA868207, AI955989, AI091426, AI873582, AW138496, H81296, AI288157, AI833059, T91268, R63140, AA130829, D12288, AA298770, AI699667, AI942324, AA310276, W22908, AA074395, D12293, T91580, AA342276, H81350, AA053266, AA353671, AI202414, AI832968, AA342277, AW084334, W25596, |

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| | | | | AA297193, AW351513, AW377656, T98269, D12294, AI866230, AI908913, AI868829, R83013, AI220723, T85780, AA344066, AA382073, AI310801, AA807562, AI908912, W38488, T91628, AA193223, AI864799, C75247, AA370966, AI144388, AA334159, AW381854, AA311797, AW381856, N51146, AA100050, AA314221, AW380232, AA788629, N74141, AI802279, AI818065, AA894373, AW021281, AL122042, AC007842 |
| 1620 | HMHBJ66 | 876829 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2246 of SEQ ID NO:1620, b is an integer of 15 to 2260, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1620, and where b is greater than or equal to a + 14. | AW392298, AW272601, AW014611, AI080627, AA430298, AW384668, AI797727, AI608964, AW272675, AW102844, AA176108, AW377459, AI131469, AI084855, H39807, AA625560, AI056544, AI753175, AI091091, N39574, AW071471, H49986, AA910009, AW439892, H17269, AI963968, AI038233, AI037961, AI038179, Z43393, W44646, H23373, AI656018, H01113, AI908070, AI908158, AI206196, AI831184, W28309, H17270, H23766, Z39465, H50029, AA307687, AW270187, H39808, T35734, N46719, AA031949, AA331031, T34994, AA320956, AA032033, H23262, N38880, H16357, AA355879, F02185, H23737, AA307468, W47462, AA127936, AI352060, F05939, F07123, AI342167, H16309, R27641, AA765464, AI342795, AA176107, AW238220, AI061303, W44647, AA746939, AA524800, AA856945, AA054355, H81732, AA664924, AI624800, AW265688, AA515440, AW023975, AA714524, AW166920, AA054055, AA290802, AI478965, N34258, AA564682, R20234, AW338370, AI049845, H01243, AI749527, AW338244, AA588353, AA745302, AI859744, AA362732, AA528566, AA523695, AF155120, AL034423, U39361, AP000505, AL021453, AC007036, Y14768, U63721, AC003982, AC007193, AC002511, AC004841, AC005632, AP000126, AP000204, Z85987, AC005920, AC005291, Y11107, AJ246003, AF001552, AC005318, Z81359, AL109613, AF111169, AL022322, AC005846, AL121655, AC004181, AL031662, |

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| | | | AL096701, AC004000, AF038458, U47924, AF001548, AF196969, AC005529, AL049747, AC005921, AL022316, Y18000, AC005348, AL009031, AC007842, AP000359, AC005874, AF134471, AC005091, AC002326, AC004216, U93305, AC004985, AC007845, AL118497, AC002351, AC006388, AC006064, Z83844, Z98949, AC004865, AL080243, AC005086, AL049795, AC005099, AF067844, AL035072, L78810, AC005231, AL121658, AL117337, AL049843, Z97053, AC002302, AC002377, AC005288, AC005822, AL031289, AC003102, AL021546, AF165926, AC005004, AC005081, AC004531, U52112, AL078602, AC006059, AC004814, AC003010, Z93020, AL022320, AL132642, M89651, AC002565, AL049869, AP000117, AC004812, AL049748, Z97054, AC006390, AC006197, AP000104, Z54246, AC016026, AC004081, Z82198, AC004816, AC002492, AC006241, AC007537, AC006023, AL035420, Z99128, AC004019, Z97989, AL031311, Z81357, AC004797, AC003029, AC008122, AC005841, AL133485, AP000688, AC005102, AP000692, AC000353, AL031291, AC002288, AC006071, AC004887, AC002357, AC006276, AC007040, AL031728, AC004837, AC004685, AC005753, Z82190, AL133448, AL023553, Z95114, AC006449, AC005516, U95742, AC002375, AC006160, AC011456, AC004876, AL023807, AP000513, AC004477, AF039907, AL049779, AC006480, AL031281, AL133355, AC007458, Z49258, AC003689, AL049694, AC005225, AC000026, AC004491, AC004770, Z98750, AC004587, AC004921, Z94721, AC010205, AF073485, AC004257, AL021707, AC005736, AC002364, AC004687, Z97630, AL080317, AC002465, AL035405, AC004858, AC003037, Z98036, AC000003, AC003108, AC005180, AC006117, AL133445, AC004021, AC004526, AC004890, AC005280, U80017, AC002551, AC006075, AP000014, AB023049, AC004882, AC005839, |
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| | | | | AC008040, U91323, AC003025, AC004851, AC005944, AL049569, AC005512, AC008033, AC004167, AL049709, AC005546, AC002073, U96629 |
| 1621 | HCQDG08 | 876830 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1063 of SEQ ID NO:1621, b is an integer of 15 to 1077, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1621, and where b is greater than or equal to a + 14. | AI174828, AI300532, AW301004, AW247121, AW184021, AA702640, AI291396, AI245914, AI033187, AA911317, AA017031, AA908694, AI017594, AA826532, AI002533, AI357704, AI033267, R83870, AI268718, R83871, H92338, H52695, T29050, AI651192, W26286, H92737, H68163, M76180, M88700, M74029, M84601, M84592, M84590, M84591, M84588 |
| 1622 | HE8BX38 | 876831 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2363 of SEQ ID NO:1622, b is an integer of 15 to 2377, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1622, and where b is greater than or equal to a + 14. | AI870000, AA150252, AI818389, AL037804, AW069455, AA452480, W30731, AI498817, W07047, AL036760, AA044764, AW022281, AI129268, W67847, AI032084, AI032081, AI150677, AW338118, AW067848, AW149812, AI336313, AA700790, AA826256, AA931652, AI139518, AI359798, W94966, W17308, AA902723, AA662948, N21313, AA532767, N36278, W75997, AI970175, AI056480, AA741357, AI148372, AA044727, AA121421, AI089380, W17302, AI042150, N52985, N67294, W68682, AW449003, AI270317, AA121268, AW183001, W68776, AI419420, AI356058, AI349330, AI336371, AI359448, H99951, AI989381, AI131425, R80714, AI147483, AI311537, AA150261, N31548, AA885103, AI418180, AA709414, AI141649, AW338638, N55437, AA001935, N78914, N98212, AI052219, AI367635, AI862034, W76647, R79546, AA780884, AI187177, AI333805, AA045312, N24823, W74064, AI623918, N76810, W93372, AI033256, H50726, H15534, AI349421, H15591, D56381, W67788, W63753, N31248, W61122, AA045418, W69374, W69375, W70299, D56097, |

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| | R16959, R79547, Z26985, AA371284, AW075272,<br>R82468, H03770, AA557276, T54892, AA193674,<br>R71125, H67495, AI903697, AA054724, T88917,<br>AA054671, T60999, AA328030, W73059, AI869152,<br>AA299007, AA088621, AA099163, T28498, AI249109,<br>T47984, N21531, N78876, AA343326, AW023118,<br>R16904, R27685, AA370412, AI537432, R22973,<br>N71889, R36621, N93462, H21723, T84233,<br>AA688295, T47983, R71628, W21232, H02874,<br>AA090586, R27587, R35753, AA383049, R23079,<br>R38472, AI499335, AW369677, AI636170, AA303089,<br>R80715, N88610, AA190565, AI498550, AW175704,<br>R82469, R35646, R58194, AA204890, AA055544,<br>N84016, AW379755, R36622, AA733037, N56466,<br>T60941, R29162, AA218875, AW161156, AI621341,<br>AI473208, AW051088, AI918809, AL135047,<br>AI927233, AI590227, AW075382, AI540674,<br>AI539260, AI475688, AI537677, AI698391,<br>AI538885, AI691131, AI859991, AA128805,<br>AW008779, AI950892, AI475371, AW410259,<br>AI524179, AI521560, AI435253, AI814594,<br>AW238688, AI499890, AI636507, AI797538,<br>AI524654, AL047675, AI623941, AW105460,<br>AI630932, AI866457, AI421523, AI560545,<br>AI670895, AI225000, AI620864, AI648494,<br>AI633125, AI499325, AA836168, AI538564,<br>AL038445, AI915291, AW152182, AI582932,<br>AI590043, AI872423, AI619820, AI434731,<br>AI889189, AI479292, AI866469, AI500714,<br>AI884318, AI452560, AI638644, AI570056,<br>AI370623, AI799313, AW189716, AA641818, W74529,<br>AI860027, AI701097, AI499570, AI633009,<br>AI446538, AI590020, M30269, M27445, X84837,<br>X84836, X84835, AL096744, I89947, AL049339,<br>AR038854, AF087943, AL133624, M96857, Y13653,<br>AR034821, A77033, A77035, AL136884, I48978, | | |

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| | | | | AB028451, AF079763, A91160, AL117457, AL137480, A91162, AL049423, AL049347, X99226, AL023657, AL050277, AL110280, AL117587, X83544, A08913, Z13966, AF126488, AF185576, AL117435, A03736, Z97214, A08456, A31057, I33392, A08912, A08911, A41579, AF060555, A65340, X79812, AL137478, A76335, S76508, A57389, X70685, AL080110, AL117416, A08910, AC004200, A08907, A08909, AL133637, S36676, AL137530, AL137529, I32738, U35846, A18777, A21103, A08908, X66871, A65341, AL050116, AJ003118, AL050155, A58524, A58523, AR068751, Y10655, AL049283, AL035587, AL049447, AF013214, AL117463, AF031147, AF017790, AL110158, AF004713, S82852, AF151109, U42766, X53777, AF111112, A07588, AL080146, AL080159, AL137271, Z82022, M85164, AF183393, AF184965, AL137533, AF177401, AF061981, AF090901, AL050092, AL137267, AF125575, AR050959, AB016226, AL137557, AF065135, AL122104, I48979, AL117649, AL137574, AL122100, E07108, U62807, AR068466, AL137479, AL110218, AL137550, I89931, S77771, E01614, E13364, I89944, AC006288, I49625, AF026816, AF090934, AL050138, E12580, E12579, I09499, U58996, AL049276, AL137300, S83456, Y08864, X63162, E12806, U86379, AF026124, AL137711, AF044323, AL080126, AL133072, I18358, I34395, AF032666, AF057300, AF057299, I89934, AL031346, X61970, S71381, U75932, X97332, AF078844, AL137657, AL049324, X82434, AL110196, AL049430, AL110296, AF111849, U87620, Y14314, AL137722, AF116573, AJ005690, X72889, I77092, AL137537, E12747, A92311, AF082526, AF118094, U67958, I36502, AL137459, U55017, X67688, AL117460, AF047716, A58545, AF124728, AB026128, AL137476, A90832, AL133623, I79595, AF002985, AF100781, AL050172, AL110197, |
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| | | | | AF106697, U68387, X01775, AF139373, AL137665, X06146, X96540, S61953, A86558, A41575, X00474, AL133080, AF076633, AF159615, AF080622, U37359, AL050146, U73682, AR068753, AL122093, AL133112, AL133665, L04859, I29004, X66417, AL133559, AB019565, A12558, AF113019, AF100931, Y16645, U70981, Y11254, AL122050 |
| 1623 | HMVCR68 | 876836 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1244 of SEQ ID NO:1623, b is an integer of 15 to 1258, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1623, and where b is greater than or equal to a + 14. | AI761567, AI149359, AI401619, AA740595, AA588565, AA424137, AI299200, AI143920, AA021117, AI913301, AW151208, AA425305, N47966, AI436446, AI685061, AF052498, AW081049, AW084051, AA451690, AW182326, AI332899, AA169542, AA169443, AA954593, AA042910, AA455865, AA149424, AI432492, AA460942, N47904, AA319689, AI377265, AA042923, AA461248, H20482, AI702363, AI371418, H85541, AW351484, AA151489, AI955508, AA385706, D79614, AA369939, AA834737, AW175964, H50494, AI291715, AI418716, AA861788, AW339974, AA369940, H87923, AA452637, AB033080, D42138, AF011794 |
| 1624 | HFCAI79 | 876837 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2455 of SEQ ID NO:1624, b is an integer of 15 to 2469, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1624, and where b is greater than or equal to a + 14. | AL048933, AI271440, AI092964, AI741387, AI760926, AI333315, AI680148, AA889492, AW190196, AW365955, AL048932, AI416991, AI923885, AI445890, AI138940, AI687147, AW365982, AI082757, AA280201, AI559407, AA553490, AW079043, AW001900, AW027109, N25109, AW365942, AI079486, AW451587, AI566301, AI623964, AI032887, AW365973, H22632, AI498456, AI270190, AW023890, AW137893, N40556, H47810, AI336798, H52365, AI933592, AA371581, H52364, AA904952, H22633, AA338820, AI537552, R16961, T82008, H96979, AI565231, AA377237, T81883, T71558, R16906, C01340, AI761493, AA280380, N46600, H48145, AW021702, AA887860, AA377236, T71263, H42623, T71208, AC004849 |
| 1625 | HBIOH43 | 876842 | Preferably excluded from the | AL049077, Z43264, AA362903, H44830, AA347303, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1267 of SEQ ID NO:1625, b is an integer of 15 to 1281, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1625, and where b is greater than or equal to a + 14. | W23148, AA369128, Z99916 |
| 1626 | HOEMJ36 | 876856 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1341 of SEQ ID NO:1626, b is an integer of 15 to 1355, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1626, and where b is greater than or equal to a + 14. | AA910951, AA843679, AI348072, AI125272, AI042167, AA845606, AW129714, AI927609, AA868244, AI978910, AI525551, W06825, AA843914, AA779705, AW130928, W61040, W91932, AI831445, AW247636, AA186566, AI359205, AA523378, AI186133, AI160604, AI041480, AI198816, AI378985, AI207388, AA720662, AA181832, AA928300, AA890438, AI688759, AA393736, AA151916, W73728, AI184656, AI473972, AW272617, AA719242, AA890475, AA933747, AA534300, AA987916, AA622766, AI371055, AA878593, AI811357, AI829846, AI246201, AA987453, N21142, AA191541, AI345998, AI142485, AA307417, AA393794, AA102496, AA934733, AW082787, AW362863, W96444, AI343759, AW073775, N26594, AI624204, AI075412, W73785, AA706402, AI075444, AA312077, AW370975, AI304681, AA305477, AW370958, AI339961, AA988926, AI798191, H96572, AI631255, AA916632, N21361, AA393864, AI242708, AI186143, AI344381, AI002050, AA829718, AA666025, AI301839, N31157, T51961, W96541, AI186650, AA450264, N70868, AA189020, W35262, AI335966, AA868435, AI243742, AI718683, AI285022, AW380029, AI708661, W79062, W56704, AA450265, AI203443, AA313952, H05891, AA029676, |

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| | | | | AI924457, AI253584, AI750319, W74474, AW380015, AA541387, AI915283, AA953221, AI095790, AA687834, N63798, H72663, AA627355, N33299, W56739, N44829, H10500, AA223727, AW002227, AA961262, AW440854, N92556, C17191, AA223815, AA156119, AW263927, AW007959, AA035712, AI750318, H79841, H50961, AA703995, AA305808, AA024948, R91859, R96677, W56383, AA332390, AW440710, T28956, AA912076, N57269, N92539, W94895, R91038, H13004, AA082120, R92698, AA355945, AW337859, AA024991, AA321569, AI932893, AA459672, AA459794, AA189019, T90302, N78866, H78774, AA361890, N49784, AA305857, AA361459, AA765973, AA361675, AA352730, AA771826, H72664, N94156, AI613134, N50485, AA628033, F02479, C17291, AA063528, R56364, AA459660, W39039, AA642158, H62620, AA352976, AA628038, AA729743, AA147291, T82974, AI749422, H96696, AA352839, N87245, W23447, AA627654, AA459783, R57554, AA729543, T52041, AA143387, N39666, W24824, AA742384, W17271, H62547, AA191268, N50430, AI468860, N54292, AW382069, N70049, H79840, W39006, T25454, H62619, N28023, AA353584, T63976, AI337484, AW059803, C20551, R85599, D25569, AA353199, H78693, AA091252, T63965, R91039, N49681, AL119863, AA024971, T64044, AW366372, AI925164, AI591101, AL043152, AL120254, AL042944, AI491904, M15796, X57799, AL034410, AR009805, Y00047, X53068, X57800, J05614, D17061, X67329, D28458, M29310, D17232, AR034530, AF113690, AJ005690, AL133640, E05822, AL110296, I48978, AL137530, A65336, I08319, AF069506, A21101, AF090900, AL137558, AL133619, AR034821, I89947, Y16645, A03736, AF028823, I09499, AL050393, AF118090, AF031147, AF177401, A86558, AF067728, A76335, I32738, AL122110, |
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| | | | AF159615, X59414, AL117435, S36676, AJ000937, AL137523, AF117657, AL133568, U78525, A12297, AL080146, AF176651, AF183393, AL137294, U35846, I48979, A07588, E04233, A77033, A77035, AL137254, AL117457, X80340, AL133016, AF146568, AL050138, A18788, AF114170, A57389, AL096744, AR038854, A08907, AF175903, AL122104, S82852, AL080158, AL137529, AL137292, AL137267, AF026816, U76419, AL137560, AL049347, I30339, I30334, AL023657, S77771, AL133665, E01614, E13364, AF182215, U49908, A18777, AL096751, AF065135, AL133080, A76337, X84990, AB007812, AF106657, AR068753, X72889, AF017437, AF118094, AL137478, AL117587, AF162782, A08913, AL117460, M96857, AL137533, A65340, D44497, Z97214, X72387, L04504, AF067420, AF104032, AF113019, X99257, AL080110, Z82022, AB025103, X59812, AF106697, AF026124, A08912, AL133113, AJ012755, AL137537, A15345, Y10655, AR013797, AF126247, AF145233, X66871, AL049283, AL050190, AL080159, AF087943, AL122106, AF200464, AJ003118, AL050108, AF039138, AF039137, AL096720, A08910, AL110218, I29004, A08909, AL110196, AL133557, AF090886, U73682, D16301, AL137480, S76508, AR011880, AL050208, X81464, AF113694, X87582, I33392, AF115392, AF192557, AF153205, AL137479, A70386, A08908, AL050024, X63162, AL137459, X55446, AF017152, X65873, AL133560, AF111112, AL122050, I26207, AL117416, AF151109, Z37987, AL110225, U72621, AL110280, A08911, I89931, AL137555, AL049382, AL050172, AL137554, AL117649, AF090903, Y14314, AF044323, AL110224, AL050092, AJ006417, AF102578, X53587, D83032, X66417, I89934, AB030279, I49625, AL049324, AL133070, AL137271, AL080234, AL080156, AF061981, AF090896, AL050155, AL137550, A23630, |
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| | | | | S78214, D55641, M19658, Y10080, AL133637, AL049339, AF097996, AF038847, AF141289, AF118092, X52128, AL110221, AL050149, S83440, AL137660, Y07905, AB029065, U88966, S75997, AB016226, AF100931, AF113677, AL117463, AF001215, AL049314, Z72491 |
| I627 | HWHPZ02 | 876858 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1174 of SEQ ID NO:1627, b is an integer of 15 to 1188, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1627, and where b is greater than or equal to a + 14. | AW043824, AI094162, AI150332, AW152394, AI363370, AI340929, AW341579, AA904074, AI015843, AI039705, AI192155, AI338344, AI038188, AI144479, AA922221, AA804396, AA768639, H29728, AA256891, AA708611, H29729, AA902548, AA641864, AA256375, AA310759, AL038838, AL038983, AA641863, AL037727, AL038532, AI142134, AW316536, AA654177, AL038822, AL043814, AL043923, AL043845, AL040617, AL044186, AL041238, AL047012, AL041577, AL041459, AL044064, AL040294, AL041635, AL044037, AL047170, AL040463, AL040768, AL046850, AL045753, AL041752, AL045684, AL040625, AL047219, AL040052, AL043570, AL043848, AL041374, AL043627, AL041523, AL041730, AL044074, AL041602, AL043492, AL040839, AL043677, AL040472, AL043467, AL040510, AL042135, AL043538, AL047183, AL040464, AL045671, AL046442, AL040621, AL046994, AL040444, AL041133, AL039316, AL041324, AL046392, AL046914, AL040322, AL044258, AL044272, AL040119, AL041098, AL041096, AL045817, AL040148, AL045920, AL049018, AL047057, AL044199, AL044187, AL040458, AL041163, AL040576, AL041955, AL045990, AL041292, AL041358, AL040332, AL041142, AL041346, AL040529, AL041159, AL044274, AL037436, AL041168, AL040745, AL046330, AL041197, AL040128, AL040571, AL042096, AL047036, AL040342, |

AL040553, AL041186, AL039360, AL040285,
AL044165, AL040091, AL040090, AL040414,
AL041131, AL039744, AL044162, AL046327,
AL037435, AL040149, AL040155, AL041051,
AL040168, AL044201, AL037335, AL043775,
AL043496, AL040253, AL040082, AL037443,
AL039432, AL041227, AL045857, AL040329,
AL079878, AL041296, AL037343, AA471208,
AL041086, AL040193, AL037323, AW129525,
AL040075, AL040263, AL040370, AL040255,
AL038761, AL041233, AL041140, AL045725,
AL039915, AL043612, AL041246, AL037295,
AL041277, AL039338, AL041278, AL045989,
AL049069, AL039643, AL079852, AL040238,
AL043537, AL041210, AL046147, AL041347,
AL043941, AL037341, AI028338, AL080031,
AL134524, AL044125, AL037279, AL047037,
AL043444, AA257137, AA629169, AL046097,
AA257022, D79670, AL044529, AL045328, AA094619,
AL046360, AL045994, AL042898, AL046150, T23985,
AL043440, AA585439, AL045211, Z30131, T19415,
N87157, Z28355, T23957, AL042712, AL038745,
AA585101, T11028, AI547039, T23888, AA585453,
AI541374, AI525431, AI525556, AI540967,
AI546855, AI541365, AI525306, AI541523,
AI541514, AI541509, D61254, AI546999, AI535639,
AI557731, R29445, AI526194, AI556967, AI541508,
R28735, AI546945, T41289, AI546828, AL040385,
AL047163, AL079953, R29177, AI557787, AL134110,
AI526073, AA585476, AA174170, AF161482,
AC006530, AR062871, A20702, A43189, A43188,
A20700, A98420, A98423, A98432, A98436, A98417,
A98427, A84772, A84776, A84773, A84775, A84774,
AR067731, AR037157, AR054109, AR067732, A58522,
A91750, A86792, AJ244004, A98767, A93963,
A93964, A85395, A85476, AR062872, AR062873,

A25909, A81878, AF082186, A64973, A58524,
A58523, AJ244003, E14304, I44516, E16678,
I25027, I26929, I44515, I26928, I26930, I26927,
X83865, D78345, AJ244007, Y16359, AR038762,
E03627, M28262, A60212, A60209, A60210, A60211,
E13740, I48927, I63120, AR017907, A18050,
A23334, A75888, I70384, A60111, A23633,
AR007512, I15717, I15718, A02712, A77094,
A77095, A95051, A18053, AJ244005, I08396,
I84553, I84554, I00682, A11623, A11624, E00609,
A11178, E01007, I13349, A10361, I06859, A35536,
A35537, A91965, A02135, A02136, A04663, A04664,
I08395, AR043601, A93016, A11245, A92133,
I03331, A02710, E12615, AR035193, A07700,
A13392, A13393, AR031488, I13521, I52048,
A27396, AR027100, I49890, I44531, I28266,
I21869, A82653, E16636, I44681, A90655, A70040,
A24783, A24782, A95117, I62368, AR038855,
AR031566, AF149828, I01995, I08051, I18895,
I60241, I60242, A20699, E00696, E00697, E03813,
I66482, AR009151, I66485, I66483, I66484,
I66498, I66497, I66496, AR038066, AR027099,
I66487, I66486, AR064707, U94592, AR051652,
AR051651, AJ230935, AR008429, I05558, AJ230902,
AJ230972, A68112, A68104, AJ230951, E12584,
A22738, X07299, AJ231009, I08389, Z32836,
D13316, AR035975, AR035977, D50010, AR009152,
I15353, AB025273, AR051957, I18302, Y09813,
AJ238010, X81969, I19525, AR066494, M20328,
X13697, J04205, X69804, X97869, AR035974,
AR035976, AR035978, A70872, D13509, E17098,
X14684, AJ231028, I66495, I66494, A22734,
AR022273, X91336, AJ230867, AJ230845, A70869,
I36244, A29109, A32111, AR051864, D17247,
A93923, AR051865, A06631, S60422, A83642,
A83643, AJ231011, I66488, I66489, I66490,

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| | | | | I66491, I66492, I66493, I66481, A83151, A93916, AR063812, AR028564, A24548, A24546, Y14219, A93931, I05845, X91337, AC005541, AA971815, AI032717 |
| 1628 | HLTAZ90 | 876865 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1375 of SEQ ID NO:1628, b is an integer of 15 to 1389, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1628, and where b is greater than or equal to a + 14. | AA873435, AA600839, AI768313, AI146480, AW058474, AA773760, AA902399, AI815095, W07335, AI936013, AI887319, AW247888, AI290267, AI949176, AI140850, AI383970, AA478888, AI335758, AA455467, AI131375, AA446062, AI375904, AW273478, AI569525, W92189, AI080606, AA446800, AI922678, W48604, AI669705, AI088017, AI079611, AI357729, W94886, AA778027, AI420677, AA662489, AA199802, AA199694, N99008, AA455466, W48605, AA737911, N22398, AI097343, R69048, AW079086, W81498, AA478769, AA602304, AA770587, AA568808, AI983493, AA903872, AI718164, AA577394, AA658448, AA579036, AA814776, AI687665, AI275990, AI127693, AI040179, H06586, AI188614, AI383744, AI160662, T16066, AW162694, AI209061, AI948507, AA432116, AA429907, AI571660, AA577605, AI926880, AI949479, AI991410, AW002319, W79730, AI675994, AI659734, N75810, AA999862, AA417649, AA582611, AI400342, AA749354, AA923020, AI537750, AI579976, AA953148, AI915035, N69819, AA256988, AA419605, AA133662, AI433790, AA193288, AA773001, W21280, AI470356, AI207126, AA470409, AA806422, T94567, AA074998, AI432068, AA725585, AA757124, N75636, T07950, AW265105, T07544, AI611358, AI954778, R50657, H06531, T27805, AI220764, W81497, H00562, AL120252, N80002, AA682966, AI440285, H12517, AA492209, AI784270, AA361222, AI915044, AI524835, T59434, AA035575, AA364008, D12231, AI702267, AA482915, AI420160, AA482927, AA501348, T94257, AA641987, AA369109, AA482933, AI932950, R29196, D12095, AA343259, AA588441, |

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| | | | | T09050, AI239988, AI572155, T33940, AI917677, AA035065, AI915005, D57719, AA490946, AA635076, AA491134, AA659260, R15055, T59489, M78942, AW361295, AA534940, AW262956, AA629172, AA902888, AA736627, T09051, AA491132, AI557731, AC004081, AC007666, AC000052, AC004019, AF055664, L08069, D13388, U53922, AA446079, AA429922 |
| 1629 | HHFUM32 | 876866 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 607 of SEQ ID NO:1629, b is an integer of 15 to 621, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1629, and where b is greater than or equal to a + 14. | AA525015, AI097213, AI186110, AI205864, AI460279, AA454512, AW003859, AI143331, AI305240, AI337532, AI279156, AI333362, AA770652, AA483013, AA846308, AI024319, AI380066, AI184498, AI204185, AI332737, AI025452, AA701068, AW298191, AA314391, AA780879, AI204046, AA722950, AA903838, AI368078, AI073640, AA010086, AA911716, AA948332, AI188877, N45102, AI094300, W52409, AI311092, AA622052, AI302571, AI369905, AI660241, AI138619, H48026, H41034, AI749308, N76689, AI354731, N31297, AI141562, AI347212, AI191310, AI092132, AA875920, AI346333, AI344362, AI186141, AI184174, N50933, AA854247, W32499, H93326, AA740175, AA765339, AA886065, AI718470, N54609, F32533, AA229525, AA604454, AA995306, R97891, AA854498, AA688403, H48027, AI312692, N46264, AI027037, AI192124, W77745, AA629102, AA975984, W05153, N45023, R68274, H57270, AI355659, AI192244, AA722963, N22908, AA046489, AA362565, W99330, AA075564, H18704, H18336, AA483751, AA024768, AI904485, R94597, AA887933, H41035, H23703, N84980, N69892, AA311757, H18805, F36632, R26083, AA046701, AI702033, H18369, AA327843, AA299086, F33066, R68309, W52410, AA877022, AA643367, AA079015, AA339134, AA641985, H26911, H57271, W99372, R96486, AA339947, W02163, AI220631, W05365, |

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| | | | | AA772749, H93830, F26046, H58286, R94598, H28518, H23704, AA083351, AA075559, AA296237, N46263, AA352775, AA024767, F33965, AI557901, F24493, AA216428, F28514, AI750084, W72101, N98865, AI342158, R47744, AW265596, AA083549, R50391, AA083447, AA659764, AA302180, W31292, AA041272, C00512, AA709422, F18524, AL080089, D13118, X69907, X69904, X05218, D13123, L19737, M16453, T80797, T81201, H27411, R97890, N41011, N52542, N78879, N93425, N95193, W24594, AA079016, AA887623, AA216270 |
| 1630 | HHFAB62 | 876870 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1144 of SEQ ID NO:1630, b is an integer of 15 to 1158, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1630, and where b is greater than or equal to a + 14. | AA346386, AW300186, AW364750, AW364745, AW374001, AW364749, AW373998, AL046035, AW373994, AW364756, AW373996, AW373989, D79991 |
| 1631 | HWLWJ70 | 876873 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 665 of SEQ ID NO:1631, b is an integer of 15 to 679, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1631, and where b is greater than or equal to a + 14. | AA527360, AW051577, AA757918, AI590246, AA482382, AA417897, AA834979, T33217, AI933007, AA886393, AI242582, AA912932, AA552566, AA026889, H12586, AA770351, AI122821, Z45211, AA810545, AA089741, AA026890, AW235276, AA442516, AI081311 |
| 1632 | HCRPV85 | 876876 | Preferably excluded from the | AI138310, AA579608, AL080041, AA150112, |

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| | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 4587 of SEQ ID NO:1632, b is an integer of 15 to 4601, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1632, and where b is greater than or equal to a + 14. | AI914754, AA310336, AW139942, AI669978, AA150453, N21199, AW337765, W60839, AA007492, AI245978, AW340469, H39087, AI857928, AW402945, AI857929, AA884547, AW044377, AA708593, H06461, AI554400, AA806848, AA292984, AA281307, D53188, AI074110, AI359733, H37969, AA911725, AA194095, AA757126, AA815284, AW166409, AI362093, AA258691, AW386068, AA614128, AI937918, AI218676, AA429422, AI361580, AA156587, AA931474, N27470, AA313613, N31349, AA936569, AA007448, W69685, D52529, AA171394, AW367949, AA150166, W47135, AA428365, D53165, AI253039, AA937690, AI752560, AA312520, AI039854, AI282901, AA884648, AI094728, AI201298, AI273365, AI346383, AI421258, AI310120, AI361451, AI285056, AA040411, AA789206, N88385, AI418521, AI973164, AA227133, N99005, AL038896, AW362878, AW403348, W24127, AL119637, AI016520, AA541481, AA309620, AA150397, AA306805, AI400189, AA284235, H51237, AA331743, AW023315, R67309, AA373361, AA156654, AA730527, D57421, AL045286, N92003, W69686, AA332449, AI368439, AA281258, AA040303, H63313, AA359717, AW362873, R74438, AA770542, H06565, AA363548, AI339537, AI023267, AA884006, D58110, AA922473, W60840, D58261, AI346133, AA722328, AW207758, AI753879, H06510, AA853720, AA332495, AA999738, AA331529, AW151651, D52528, AW391062, AA330258, Z45721, AA626164, AW390953, AA484242, AA382542, AW090257, D79754, AA227234, AA355615, D56466, AA313395, AA382088, AA169821, AI873035, R74343, AA354337, D53067, D53164, AW386086, AI749497, AW021983, H68127, AI149688, AA365933, H11545, R26679, R36441, AA705035, AI799252, AW403752, T30044, T85823, AA359673, R57470, R25867, Z42383, D53068, N71806, D53095, C03662, |

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| | | | | AA263144, AA111835, D81554, T83223, AA910604, AI056722, N21394, AA354104, AW270594, AI571557, N63858, AA503313, F23396, AI973191, AI590666, AA290658, R60888, AA382087, AA677495, AA290659, AL037148, X74262, X71810, U35141, AF097750, AE000658, U85195, AC005277, AA045875, AA398311, AA703653, AA853719 |
| 1633 | HCE3V58 | 876878 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 362 of SEQ ID NO:1633, b is an integer of 15 to 376, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1633, and where b is greater than or equal to a + 14. | AW301835, AI308020, AI860966, AA134268, AA878213, AA694197, AA088689, AA133904, AI285166, AA133903, AA302740, F26419, AA582580, F35821, H90906 |
| 1634 | HKGBE11 | 876882 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3629 of SEQ ID NO:1634, b is an integer of 15 to 3643, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1634, and where b is greater than or equal to a + 14. | AI524051, AW007724, AI609303, AI560001, AI401617, AI936772, AI735659, AI249001, AW021551, AI247535, AA889466, AI770052, AA856594, AI923848, AI393945, AI963008, AW007900, AI802150, AW246695, AI589917, AI186661, AI680189, AW058621, AW081918, AW248728, AI160059, AA128006, AA812522, AI191795, AI128436, AI274108, AA909840, AA405642, H99041, AI015928, AA931655, AI262534, AW026999, AI423370, AA453200, AA131241, AA579953, AA702093, AI026873, AI161187, AA455704, AA455317, AI373875, AI359209, AW020484, AI204219, AI475739, AI125919, AI306480, AI123115, AI075685, AI183377, AI093279, AW137484, AA915929, AA745983, AW168028, AI191687, AI659743, AI346563, AI923367, AI472034, AI370998, AW169284, |

AI690264, AI356799, AI298090, AA847328,
AI143203, AI573004, AA526151, AA701656,
AL036355, AA398429, AA781758, AI248617,
AA972778, AL120931, AA813433, AW364708,
AI625940, AA975860, AI051123, H18709, AI624093,
AW005429, N68529, AI299217, AI149399, AA988712,
AI355692, AA886616, N90938, AW373562, AA687849,
AI583218, AI566456, AI167133, H27061, AI355703,
AA757226, AA781558, AI086933, AI097546,
AI811692, AI375753, N91144, AI342620, AA126641,
AI421652, AW131426, W32307, N33217, AA888625,
W04345, AI348671, W17386, AA804381, AA305682,
AW016631, AA291227, W68759, AI004166, AA427526,
AA454983, AA479068, AI298478, AA732854,
AI080704, W68454, AI084772, AW084472, AA479223,
N27564, AI184963, AA505251, AI022978, D53877,
AA126497, D52932, AA828985, AW193312, AI073734,
AI245609, AA454161, AI589126, AI690281, N92279,
AA745905, AW057830, AA467899, AA938231,
AI187073, AA130568, AA610387, AA128029,
AA761970, AI890992, AA847408, N47754, N41931,
AI750050, AA456530, AA971614, AF139790,
AI435647, AA837736, AI017762, AA828994,
AA618297, AA614659, AA788753, AA601557,
AI682609, AA454984, AW168929, AA678000,
AA708844, AA151101, AW152083, AA143003, W42712,
N66889, AI298694, W17235, AI348194, H97544,
AA036731, AI902984, H18598, N89744, AI435894,
R69930, AA535636, D62527, AA514269, AI720059,
AI433476, AI248821, AI245176, AA403052,
AI263846, AA150090, W17187, W16652, AA962557,
AA031722, AA089961, AI287545, T75133, R75976,
AA968981, AI245198, AI814870, AA894619, D54851,
AA447055, AA701210, AA578436, AA150159,
AA467843, D53769, N22090, D52639, T28569,
AA889910, D56802, AI890986, C01613, H88627,

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| | | | | AI267864, H46858, AI075972, AI242237, AI185100, AI272966, H39601, H88628, AA968979, W19238, AI784586, R07700, H03189, AA211540, AA131165, AC004520, M29065, M29064, AF073993, AF192348, D28877, U09123, L02954, L02955, U09122, AJ009300, U09121, A74625, A74773, AF169290, AF211856, R10578, R10579, R12625, R20526, R22887, R23576, R25216, R27302, R32649, R33333, R33334, R52479, R20526, R66241, R69882, R76807, H03988, H04178, N34507, N40385, N74179, N74343, N75875, N93493, W00725, W02101, W04813, W04852, W05055, W17019, W20426, W24457, W25432, W42905, W81443, N90151, AA036938, AA167390, AA483158, AA632646, AA765452, AA808476, AA888709, AA935276, C02214, C04584, R29188, AA089571, AA092059, AA211492, AA216333, Z20376, AA703571, AA844237, AA889282, AI032462, AI051314, AI084281, D20533, T24609, F01310, F12801, F11075 |
| 1635 | HRAEG13 | 876886 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 4037 of SEQ ID NO:1635, b is an integer of 15 to 4051, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1635, and where b is greater than or equal to a + 14. | AL079429, AL079428, AI962210, AW409971, AW409972, AW362305, AW410672, AI924517, AA406225, AW025356, AA405914, AI951876, AW410671, AI523918, AI890911, AI923197, AW206660, AI569743, N94878, N99556, AW301065, AA405354, AI936512, AW206646, AI872449, AW193338, N63552, AI207878, H29821, AA405693, AI184142, AI287700, AI039152, AA764984, AI347352, AW387060, AW386988, AW387093, AI081389, AA350220, AI148131, AA783037, AI243796, AI277386, AW387033, H69679, AA985309, AI635584, AI372628, AI372627, AA405353, AW408699, AA777168, AA350036, R56710, AW207334, N40073, AA781626, F11487, AA654125, R94204, R56864, R55500, T66335, H92624, AA350276, R81346, AL121276, AA350037, F09706, AI298408, AI873379, R51360, T87412, M78454, AI287710, F12065, H50110, AA351242, N22306, F09146, |

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| | | | | AA234354, N26102, N55429, AL120770, AW387043, AA405389, H50154, H43762, AW387110, H72992, AA227365, R79738, R79737, H44600, H70095, R50621, AI184049, R45951, H29909, T66284, AA744978, N71548, H72991, AA368705, AA936885, AI739624, R55499, AW007986, T83200, AI863755, R50454, R50527, T36310, R50455, T85587, T77076, AA936368, H43432, AA464051, T87308, T07160, T78532, AA321966, AW268156, T85586, H43431, F26601, N40316, AI832126, AI372626, AW376436, N54476, R81601, R51465, R94300, AW367002, AA324819, N76802, AW073570, AI654772, AI473579, AA555237, AW102939, T77381, AA548001, AI985527, N76587, F35806, H92406, AW366992, AA302603, AW367067, AI937249, AW389336, AA862606, AB032950, AF128625, AF021936 |
| 1636 | HLIBZ07 | 876888 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1228 of SEQ ID NO:1636, b is an integer of 15 to 1242, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1636, and where b is greater than or equal to a + 14. | AA946784, AW375919, AA527581, AA904758, AA209387, AA563949, AI833239, AA740268, AA527668, AW372169, AA948567, AA894539, AI745625, AA468774, AA725505, AW376020, AA164354, AA946619, AI348033, AA594622, AA453342, AW160477, AA937588, AA862503, AW375573, AI189061, AA988737, AW162844, AA588618, AW363501, AW375476, AA677897, AI310309, AI123763, H59915, AW161438, AW160982, AW160317, AI907434, AA780152, AW363508, AA526226, AW295010, AW176047, AI472327, T65562, AI005477, AA349978, AA928712, T08552, AA610643, AA307984, AA385290, AI905918, AA211030, AA349672, T65630, F12026, AA434132, AW365033, AA338674, AA453217, AA384272, AA339261, AA367135, T03912, R78158, AA367413, AA357314, H27129, R91610, AI766762, D51350, AA308647, D55070, AI214104, AW176070, R96738, AA343589, T03852, AA384370, AW264753, AW376759, AW376799, AA340742, AW363574, AW372990, AL048628, |

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| | | | | AW376653, AA362098, D54438, AI905702, AA300134, AA747175, F09672, AA384504, AA233381, AI870184, T79091, AA367166, T84398, AA451673, H25082, R45919, S75311, AR037563, L33930, D87667, X69397, Y14692 |
| 1637 | HTPFB46 | 876890 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2110 of SEQ ID NO:1637, b is an integer of 15 to 2124, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1637, and where b is greater than or equal to a + 14. | AI718712, AW444886, AI983059, AL135147, AI085966, W07327, AI492267, AI360984, AA564235, AA573268, AA406085, AI678761, AA577144, AI091819, AA297803, AI289839, AA037033, AA804950, AA533437, AI242554, AI223449, AA410390, AA644395, AI216720, AW005660, R77919, AA878891, AI468125, N51728, R32385, N25411, AA256925, AI811527, AI142611, AA954723, AA256501, AA317506, W52143, AA421853, AI623878, AA932178, R78020, AI089059, R32384, AI242914, T81104, F34121, AI468126, F25882, N75820, AI335792, F35752, F18999, AI984724, AW305237, AI345730, AW268284, AW166690, AI349242, AW086410, AW272065, AI310836, AI345115, AI223675, AI308339, AI312490, AI252159, AI345249, AI307405, AI580578, AI252423, AI252373, AI349681, AI252335, AI250483, AI252345, AI583501, AI583500, AW302935, AI583889, AW303168, AI348995, AI349742, AI309420, AW269095, AI336494, AI335439, AI349287, AI306795, AW274358, AI349945, AI252286, A58884, L40823, U06846, AR051950, L40817, L44140, X87196, X74606, X90393 |
| 1638 | HDPSS23 | 876892 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1421 of SEQ ID NO:1638, b is an integer of 15 to 1435, where both a and b | AI129800, AW027959, AI927949, H92980, AI650270, AI708393, AL138076, AA524072, AI831594, AA749139, AI926721, AI399955, AI302816, AA262795, AI862160, AI093249, AA828301, AI625105, AA904444, AA772552, AI816834, AI084565, AA314418, N30447, AI242763, AI810709, AI653617, AI129801, AA443839, AI289975, AA281653, N25206, AI758575, AA026905, AA737455, |

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| | correspond to the positions of nucleotide residues shown in SEQ ID NO:1638, and where b is greater than or equal to a + 14. | AI474418, AI619613, AA039864, AW000990, AA039860, AA291708, H86861, AI032004, AA452814, AW084297, R97735, AI640264, AA336497, AW080103, AA026904, AI052445, H73499, N54837, R92739, H73311, AA040230, AI311105, C21440, AA338774, H94209, N69415, N91446, R76435, AW029069, R96804, AA281785, AA680378, T18545, AA338773, T10789, AA610255, AA568204, AA570740, AA483606, T47138, AW151018, AI355246, AI445373, AI915081, AA219349, AA664126, AA582746, AW275432, AA558404, AA837771, AA214453, AA857812, T94394, AA482792, AI249688, AI567391, AA630854, AA683069, R67701, AA515939, AA425924, R77139, AW069227, AA714073, AA297006, AI285493, AI298079, R79929, F35097, AI634377, AI791659, AW104163, AI671077, AL048060, AA809186, AA831408, F35684, AW084967, AA523695, AI962030, AA846923, AA533040, F24745, AI889579, AA102737, AI185394, AA491767, N51636, AI538236, AA558366, AI880761, AI735092, AA376358, AW272815, F23338, F31066, F37059, AA612578, AA668587, R79255, AA196552, R93919, AW075729, AI433131, T71936, AW419389, AA632556, AI634187, AA302978, AI457313, AI620992, AI358542, AA769141, AA342238, AA583386, AI312090, AI049630, U91323, AC004686, AL080245, AL035587, AC002073, Z81357, AC007993, AP000113, AP000045, AL049748, AC010582, AC005778, AC004797, AL021939, AC005702, Z82901, AC007774, AP000030, AL008718, AP000250, AC004232, AC004079, AC006344, AC005759, AC002365, AC007193, Y07848, AC004598, AL096701, AC002565, AC005799, Z73900, AC007390, AL031721, Z93016, AL118497, AC006501, AC007566, AC005740, AF067844, AC005011, AC006077, AC000064, AP000133, AP000211, AC004859, AC006333, AC007179, AC000025, AL049776, |

AC005527, AC003688, AP000346, AC005412,
AL050318, AC005225, Z84488, AL020995, AL031186,
AC002381, AC005057, AC005231, AF045555,
AP000300, D88270, AC004485, AC005207, U91326,
AC007917, AC000003, AC002544, AC004816, U03115,
AC004253, AL035249, AL078593, AL049869, I34294,
AC006530, AC005668, AF128525, AC005695,
AC005529, AL034417, AC005291, AL031005,
AC005184, AC005072, AL023879, AP000689,
AC005519, AC004551, Z83838, AL031295, AC003029,
AL035458, AC003690, AC003957, AF030876,
AC004655, AC007425, AC004964, AL022721,
AL096791, AP000547, AL022318, AP000255, Z82976,
AL049576, AF196972, AC005924, Z99716, AC002395,
AC004383, AC004881, AC002288, AC004522,
AC004828, AF031078, AP001039, AL031311,
AC005015, AL023807, AL049553, U62293, AP000502,
AC005081, AC007055, AC007537, AC007738,
AC002350, AC002504, AL135879, AL121790,
AF207550, AC004386, AC000353, AL031230,
AC005071, AC002115, AC005756, AC002072,
AL023575, U66060, AP000213, AP000345, AC007227,
AC007075, AL031587, AF184110, AC005409,
AL133448, AL080243, U91319, AC006960, AL034420,
AP000135, AL121652, AC005480, AC006571,
AC006312, AC000035, AC007565, AC005726,
AC004745, AC004865, AC002551, AC005180,
AL031685, AL021920, AL024498, AC004129,
AC007563, AP000031, Y10196, AC005609, AC002418,
AC007637, U51244, AC004815, AF001548, AC005696,
AL135744, Z83847, Z68324, AC004878, AL049729,
AL034400, AC005632, AC008012, AC004491,
AC008372, AL031297, AC004777, AL031293,
AC002984, AL133163, Z97183, AC003692, AC007057,
AL024474, AC006961, AL135959, AL035455,
AC000111, AC004896, AC008975, Z97056, L44140,

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| | | | | AL078644, Z94802, AF064861, AC006121, Z98051, AL049610, AF102137, AL008582, AP000555, AC009247, AL049843, AC007899, AC004974, AC007172, AC006120, AC008149, AC004780, AP000355, AL049643, U78027, AC006276, AL035450, AC005089, Z93784, AC005399, AC006430, AC007114, AC002550, AC004587, AL022316, AA261881 |
| 1639 | HCEIC29 | 876901 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1617 of SEQ ID NO:1639, b is an integer of 15 to 1631, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1639, and where b is greater than or equal to a + 14. | AA099268, AI676066, AA872993, AI916603, AI686512, AI862396, AW134699, AI768494, AI656235, AI760422, AW340874, AI760767, AA456537, AI950211, AI365227, AA455250, AW019939, AI560709, AI521183, AW269381, AI343443, AW242591, AI862402, AW182833, AA906566, AI825167, AA910881, AI355516, T62487, T62632, H22865, AI470602, H24258, AI910667, T10397, AA319888, AA084251, AA465631, AA084250, T48979, R22512, R22511, R62215, R70206, R74308, H02508, R85869, R92578, R94703, R94783, R99284, H53551, H53550, H57860, H66191, H66190, H68304, H68303, H68633, H68632, H73905, H74097, N29973, N58152, N59546, N78287, N93155, W03816, W39117, W39754, W45221, W72425, W76578, N90187, AA010750, AA011178, AA035374, AA035090, AA044020, AA044195, AA099403, AA099464, AA131818, AA132001, AA181697, AA255734, AA279493, AA459458, AA465677, AA513468, AA610670, AA661647, AA807978, AA931089, AA932324, AA938458, AA947789, AA216163, AA477227, AA477226, AA709315, AA716569, AA774617, AI024245, AI024575, D25921, T16050, Z42876, F02340, AA699770, AI264621, AI268001, AI270489, AI432949, AI419091, AI475199, AI129103, AI139707, AI200420, AI205134 |
| 1640 | HE9OY91 | 876903 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AA629925, AI557066, H72652 |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 839 of SEQ ID NO:1640, b is an integer of 15 to 853, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1640, and where b is greater than or equal to a + 14. | |
| 1641 | HFKFN66 | 876904 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 674 of SEQ ID NO:1641, b is an integer of 15 to 688, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1641, and where b is greater than or equal to a + 14. | AL031433 |
| 1642 | HWMFQ16 | 876905 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1902 of SEQ ID NO:1642, b is an integer of 15 to 1916, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1642, and where b is greater than or equal to a + 14. | AA775776, AI041206, AI884423, AA608631, AA307942, AA602534, AA477709, AA604331, AA610041, AA237053, AI874354, AI922651, AA455372, AA478920, AI861817, AI174744, AA639758, AI803985, AA307739, AI217011, AA242978, AI420956, AI082010, AA290814, N35525, AA397578, W04164, AI740453, H18746, AA457124, AI369854, AW402584, AA250883, AI362747, AW401485, N63084, AI826090, AA969826, AA418085, AI301135, N42604, N32932, AA464471, N44904, AI206819, AA206545, AI264316, AA205363, AA627399, AA908393, AA206909, AA399551, AA386030, AA205036, W07733, AA151195, AA292402, AA723847, AA151196, R68884, AI217962, N62289, R60986, AA019523, AI307617, AA535112, H18659, |

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| | | | AA782617, AW401677, AI923522, AA148955, AA136448, R61653, AA369942, H45205, AI311834, AW383689, N70126, H78459, AW169009, N77580, AI695617, AW383687, AA383122, T96825, AW383681, AA477710, AW188902, AA148954, AW383686, T36291, AI826948, AI755216, AA628518, AI249697, AA236854, AI064883, AA977383, T35725, AA761981, AA478800, AA588591, AW275155, AA206781, AA610557, AA765404, AA299218, AI274603, AA484614, AA252156, AA394239, N89897, AA418016, AI289322, N35239, T96813, T98004, Z39105, AI347692, AA401922, R68786, AI421701, AA300711, AI984054, AI307367, AI869880, AW003896, AI357580, AI097540, H78257, AA773528, AI933853, N26474, W19451, T96826, AA937255, AA494127, AA456012, AA622190, AA531018, AW264334, AA296375, AW340846, R39778, AW368305, T98082, AW406763, AW389979, T32639, AW389990, AA773673, AA304962, AA233500, AW383537, R58298, C15957, N78713, AA019294, D78788, AW389995, AA402093, D31588, AW366573, AA095078, N87188, N86592, N88113, N88337, N85682, AF078859, AF078868, AL021878, AF090946, U21721, AJ243486 |
| 1643 | HCRBB01 | 876909 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1330 of SEQ ID NO:1643, b is an integer of 15 to 1344, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1643, and where b is greater than or equal to a + 14. | AI345975, AI041822, AI354345, AA845341, AI471536, AA582006, AI264230, AI133028, AI922898, AI826795, AW272874, AI889042, AI749224, AA307941, AW275172, AI926872, AA482539, AI680141, AI734884, AA524591, AW274596, AI336326, AW169351, AI885643, AW269482, AI749219, AI026046, AI143001, AI689406, AI591185, AW361012, AA602933, AI922602, W60954, AI735165, AW377897, AI566471, AI275792, AI814420, AA948377, AI683757, AA862488, AI139188, AI288260, AI277724, AI653978, AI890155, AI934802, AI911644, AI890535, AA228045, AW148951, AI889786, |

AI804207, AI274877, AI654469, AA987320,
AW243847, AA550069, AA860461, AI689372,
AA741520, AI937827, AI003581, AI831369,
AI281145, AI871203, AI281294, AA855149,
AI168130, AW377974, AI084421, AI092091,
AI833225, AA505597, AI336527, AA554687,
AI167764, AW088401, AW104699, AI150063,
AL047161, AI798382, AW083700, AI038771,
AW020827, AA928652, AI031884, AA826396,
AA492267, AI625287, AI022580, AW270586,
AI183695, AI026083, AA508597, AI080205,
AI262884, AI073697, AI354660, AA226127, W78208,
AA640721, AW149240, AA228005, AA759055,
AA992173, AW150128, AA908342, AA554425,
AI276333, W74125, AA034485, AA635275, AA639307,
AA412053, AA742571, AA303334, AW166455,
AA903876, AA173331, AA640905, AI963101,
AA602023, AA378134, AW079690, AI934122,
AA527819, AW368030, AW081647, AA531295,
AA922080, AI050907, AI873602, AA173437,
AI273804, AI589932, AI918522, AA916057,
AA826837, AA235239, AW089108, AI922253,
AI873976, AI885463, AA216394, AA508227,
AA890672, AI572298, AA382418, AA341151,
AW105574, AI281853, AI886217, AI535908,
AA337736, AA837555, AI933527, AA299593,
AA301629, AA654205, AI633050, AI553701,
AA218783, AA426414, AA366375, AA173738,
AI572371, T83429, AA215892, AA385436, W20026,
AI684322, AW367106, AW377982, AA146684, T05849,
AA828869, N90536, W32260, N93484, AA173705,
AI092389, AA650299, D56517, T27681, AA552197,
AA225725, AA235238, AI952204, AI720878,
AW176624, AW367125, AA146683, AI161032,
AA226022, H88875, H88876, AA523823, AA302252,
AA301829, W21502, W70311, AA311804, AA729966,

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| | | | | AI273789, AA096200, AW377515, AA729962, D20952, AI811103, T84076, X60111, AR016441, I13744, M38690, D10726, AC006057, L35275, M81720, L08115, D30786, AR016440, E05732, X76489, L08125, L08118, U15792, S60490, L08119, L08120, L08122, L08123, L08124, L08121, S60489, S60462 |
| 1644 | HSAAN15 | 876912 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1095 of SEQ ID NO:1644, b is an integer of 15 to 1109, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1644, and where b is greater than or equal to a + 14. | AW295760, AA643028, AI858075, W22593, AI682269, AI819607, AA910344, AA573333, AW406408, AI741854, AI088151, AA481497, AW021995, AA687410, AA826812, H63145, H08408, W07228, AA765739, AA521057, R53520, AA362594, AI584029, AA689386, AA732248, AA970100, AI004471, R44238, AI811208, R53519, AA373512, R49374, H17459, R44200, AA481183, AW207413, AI075435, N66439, AB029003 |
| 1645 | HTEKS27 | 876913 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2159 of SEQ ID NO:1645, b is an integer of 15 to 2173, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1645, and where b is greater than or equal to a + 14. | AA758002, AI657156, AI375103, AW021134, AW150836, AI684065, AA678409, AI694321, R17458, N62359, AI655208, AI702778, AI701838, AW043913, AA782285, R54239, AA436083, R59807, AI205974, N79126, AA112078, R35463, L13827, L13824, L13825, R59697, R51845, AI479241, R39382, AA083911, AI635429, L13826, R38307, AW393336, R13143, A61243, L23208, AR051320, AR051322, L30110, L23311, AR051321, L30109, A61247 |
| 1646 | HWMBA10 | 876920 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1380 of | AI749171, AI660550, AA677676, AA464420, AA284905, AA718994, AI141193, AA481894, AI078424, AA481977, AA703408, AI276556, AI017050, AA502348, AA936362, AA936704, AW131471, F36806, AW273475, AI261777, AI218960, AI218966, AI744229, AI248232, AA452839, |

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| | | | SEQ ID NO:1646, b is an integer of 15 to 1394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1646, and where b is greater than or equal to a + 14. | AI277984, AA053718, AI150864, AI140517, AI129769, AI160406, AW152129, AW000750, AI248566, AI805790, AI826304, AI086599, AA020812, AA018986, AA054250, AA019875, AW242786, AI903707, F22534, AI240050, T41072, W96529, AW069782, W68326, AA053858, H37782, AA055112, H83990, AI765563, F31495, AA020811, AI244397, H37923, AA013192, T51835, R50369, AW339481, AI903705, AW194148, AA019902, W68142, AW298469, AW003689, AI860462, AA019913, AW139654, AA383551, AA384419, AA883222, H41086, AI420423, AA021054, H86062, AI735754, R80952, W92479, AA535061, F31376, T40204, C04332, AA019941, AA464476, AW050973, AI560455, AI470969, T51881, AI695746, AA284774, AA855078, AA013427, H38276, W92489, AA412431, AA844626, AW074589, AA919166, H86397, AA906632, F36956, AA018714, AA021006, AA457128, W68469, H83989, AA015696, AW050422, AA402869, AA015660, AA464421, AA454730, AA015659, AA454780, T28267, AA018985, AA018750, AC006449 |
| 1647 | HCQBO58 | 876921 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 711 of SEQ ID NO:1647, b is an integer of 15 to 725, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1647, and where b is greater than or equal to a + 14. | AI803478, AA578800, AI760557, AA569728, AI803206, AI199737, AI524625, AA825640, AA937979, AI436327, H83996, AA879427, AW205011, AI284171, AA262130 |
| 1648 | HWLGQ64 | 876923 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI743526, AA535976, AA534299, AI245191, AA917952, AI360198, AA189088, AI476640, AI750101, AI151214, AI219288, AI189990, |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1579 of SEQ ID NO:1648, b is an integer of 15 to 1593, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1648, and where b is greater than or equal to a + 14. | AI127112, AI582665, AI050781, R80366, AA706856, AI581641, AA693998, H01950, AW016083, AW292149, AA915966, AI219588, R07874, R68737, AA531303, AI192934, AI149588, H02159, R78817, T52702, R73741, H45133, R69845, AI832515, R21520, R78816, T46918, R68019, AW025113, R68683, H45436, R80252, R35081, R69003, T52701, AA724770, R80206, AI521622, AW272700, R12585, R80309, R79313, H04450, R78008, AI222696, R79314, R69002, R07933, R69844, R21622, R23749, AA873780, W95082, R35080, T46932, R70944, AW029093, R68018, AI619788, AI582092, T49292, R09945, T46933, AI337719, AA233721, R23802, AA378781, AA917397, AA923057, T49293, AW361573, AI241836, AI261408, U26726, U14631, AF126744, AF126745, U23835, U14128, AF074706, U22424, U27318, S83516, S80133, U27317, S83532 |
| 1649 | HCQCV14 | 876926 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 558 of SEQ ID NO:1649, b is an integer of 15 to 572, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1649, and where b is greater than or equal to a + 14. | AP000529, AP000528 |
| 1650 | HCROO59 | 876934 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 391 of SEQ ID NO:1650, b is an integer of | AA376902 |

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| | | | 15 to 405, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1650, and where b is greater than or equal to a + 14. | |
| 1651 | HCRPN27 | 876936 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 981 of SEQ ID NO:1651, b is an integer of 15 to 995, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1651, and where b is greater than or equal to a + 14. | AA457220, AA354909, AA040828, AI688798 |
| 1652 | HCRON34 | 876938 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 622 of SEQ ID NO:1652, b is an integer of 15 to 636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1652, and where b is greater than or equal to a + 14. | AI634562, AA129701, AA129323, AA129745, AI269483, AI952719, AI656261, AI239764, AI678885, AI873730, N48153, AA904475, AA653518, AI538894, R43961, AI287295, W68609, AI114476, AA973355, AI866872, AA133249, AI681503, AA133292, AI690203, AW271391, D29021, AI186074, AA757303, AA742226, AA737777, D29578, AI825401, AI934240, AA587412, AW051055, AW020046, W68807, D83781 |
| 1653 | HFKFH50 | 876940 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1241 of SEQ ID NO:1653, b is an integer of | AA927698, AI300925, AW009795, AA402380, AI830852, AA430318, AI493302, AI142868, AI037989, AI423267, W52884, AA907276, AI333045, AA628712, AA988209, AI363130, AA987992, AA578507, AI298580, AA639466, AA402235, AI052201, AI073629, AA458463, AA564499, N78968, AA534799, AW083734, AA442975, AI074925, |

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| | | | 15 to 1255, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1653, and where b is greater than or equal to a + 14. | AA400276, AA053124, C04884, AA775515, W60092, AA425157, R83528, AA401316, AA676435, D51268, AA359764, H27189, C01185, AA402234, H27190, R37964, W39595, T27801, D55114, R45640, AA146682, AA485712, AI971664, D52799, AA347823, AA485845, AI079236, AW445076, AW444515, AA031677, AA031678, W17355, AA146681, AI739376, AA053511, AA343828, AA035266, AI648529, AI867052, AC004634, AR042382, L17032, L36027, L05489, M93012, X89728, Y15731, AR042385, X67295, L17029, L17030 |
| 1654 | HCRQG66 | 876941 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 504 of SEQ ID NO:1654, b is an integer of 15 to 518, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1654, and where b is greater than or equal to a + 14. | AW392670, AA581171, Z99396, U46347, AW384394, AW363220, AL119484, AL043003, AL119443, AL119497, AL119444, AW372827, AL119457, AL119319, AL119324, AL119439, AL119483, AL119391, AL119522, U46351, AL119363, AL119355, AL119335, AL119418, U46341, AL036418, AL038837, AL119396, AL119341, U46350, AL134132, U46349, AL037051, AL043147, AL036725, AA631969, AL119496, AL134530, AL134519, AL037205, AL036858, AL036924, AL134531, AL119401, AL134527, AL134528, U46346, AL039074, AL042614, AL134533, AL119399, AL042984, AL042965, AL042975, AL042542, AL042551, AL134538, U46345, AL042544, AL042989, AL043019, AL134542, AL037094, AL038509, AL043029, AL036196, AL042450, AL037085, AL037082, AL037077, AL037526, AL036767, AL037639, AL036190, AL119464, AL038520, AL036268, AL036998, AL036733, AL037027, AL037615, AL036191, AR066494, AR060234, A81671, AR023813, AR064707, AB026436, AR054110, AR069079 |
| 1655 | HCROW80 | 876942 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AA330056, AA236014, Z98049, AF149770, AC004801 |

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| | | | the general formula of a-b, where a is any integer between 1 to 779 of SEQ ID NO:1655, b is an integer of 15 to 793, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1655, and where b is greater than or equal to a + 14. | AI626059, AI626106, AA826765, AI040137, AA643166, AA700884, AA548726, AW361733, AI424257, AI860448, AA580441, AI985034, AI720331, AI720332, AI459935, AW383179, AA308449, AW383230, AW383291, AI304515, AW383110, AW383173, AI084026, AI801735, AA135152, AA588817, AA588576, AW383112, AW383292, AI829153, AW383143, AW016001, AI802779, AW361734, AA129139, AW383175, AI475415, AA834407, AI247812, AI282992, AW376286, AW392915, AA502781, AA053766, AA973594, AW238610, AI860189, AW084925, AA344804, AW363161, AA129138, AW004060, AW363048, AA053663, AI638684, AW024090, AI694258, AA159581, AA345424, AW363163, T72477, AA933684, AA553869, T72849, AA513679, AW352403, AW365132, AW379947, AW363141, AA135289, T70578, AW363162, AW084865, AI680270, X53463, X68314, X91863, X91864, E02175, U62658, D16913, AF099176, AL080126, L24896, AL137292, M30514, AF161699, Y10823, L13297, AL110224, A07588, AR068751, AL117416, AR038969, I17767, X54971, E02914, Y10655, AF061795, AF151685, AL050092, AL137665, AL110280, S63521, AL137548, I89947, I48978, A08913, U57352, I89931, AL080127, S77771, A08912, A08910, A08911, I49625, A08909, AF090943, AF026030, I03321, A03736, AR038854, A18777, A08907, A08908, AL137461, AF017152, |
| 1656 | HLQER45 | 876943 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1048 of SEQ ID NO:1656, b is an integer of 15 to 1062, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1656, and where b is greater than or equal to a + 14. | |

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| | | | | A07647, U62966, S76508, I89934, U00763, I09360, A90832, AF016271, AL137267, AL050280, AF159148, AF061943, AF008439, I18355, I34392, AL080162, AL137550, AB007812, AJ001838, AF117959, X76228, AF118064, AL050024, X70685, AF118090, AF141289, AL117583, U87620, U49434, AL137658, AL133568, AL117435, AL049464, AF017437, AR054987, E08631, AL049452, X63410, S75997, S36676, U53505, I52013, AF120268, E15324, AL137558, L31396, U68387, AL137656, AF004162, U80742, L31397, I00734, AF113694, AL133558, AF069506, Y09972, E00617, E00717, E00778, X96540, I29004, X66417, I89944, A70386, U75932, AL133054, A47363, AL050146, AJ012582, AL137521, AF114168, AF145233, AL049339, AL049300, AF113676, AL136842, A08916, AF026816, AF028823, AR034830, I96214, AF036941, AF055917, AF115392, U57715, AJ238278, AF026124, AF158248, AL133637, AF175903, AL133098, AL133557, AL122093, X62773, AF031147, AL049465, AL137276, X97332, AL110171, A92311, AF113019, AL137283, U55017, U92068, AF051325, AF176651, AJ242859, X67688, AL080158, AF205861, AL110225, Y14634, AL117394, A52563, AF106934, AF119358, U91329, AF057300, AF057299, AF115410, AL035458, AL110159, AR020905, AF113690, AF100931, Y10080, AF022813, AL137298, X60786, Y11254, AL049314, E12580, X52128, U86379, AF126488, E01314, Z37987, AL117457, AL050116, AL133016, X99717, AF199027, AF106657, E01614, E13364, AJ012755, M92439, U51587, U01145, AF091084, AL050277, AB026995, AF118070, E12579, X06146, E15582, U77351, S82852, AL137554, AL117585, AL122098, AF000301, AL133062, AL080140, AA523439, AI652347 |
| 1657 | HWADQ26 | 876944 | Preferably excluded from the present invention are one or more | H72650, AA486265, R36338 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 598 of SEQ ID NO:1657, b is an integer of 15 to 612, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1657, and where b is greater than or equal to a + 14. | |
| 1658 | HLJBJ74 | 876945 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 507 of SEQ ID NO:1658, b is an integer of 15 to 521, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1658, and where b is greater than or equal to a + 14. | AI089472, AI201678, AA121121, AI225034, AA040061, AA026978, AW074127, AA588232, R75602, AI381304, AW316739, H96548, AA503627, AI049774, AI560029, AA860916, AI969449, N47791, AI130983, AI139753, T17035, W35381, AA161140, AA398755, Z40924, AI623471, H96500, C02374, AL080013, R48316, R75672, W32995, AI247236, R59185, R40930, AI080393, T32336, AL119457, AL119399, AL119511, AL042544, AL119324, AL043152, AL042382, AL043168, AA503612, AL079794, AI927233, AI538885, AI590686, AI679179, AI431323, AI537837, AI619691, AW029186, AA848053, AI446628, AI824748, AI360195, AI610362, AI679550, AL037081, AI625464, AW150308, AL042866, AI952145, AI476620, AI288285, AI433590, AI613471, AI620868, AI631977, AI583578, AI673785, AI365256, AI524654, AI636309, AI860817, AI472536, AI874243, AI553645, AI802240, AI473652, AW075305, AW103878, AI284515, AW087199, AI500061, AW051088, AI291973, AI828795, AL041928, AW268122, AI571868, AI624529, AI890509, AI867068, AI802542, AI433157, AI648567, AI652162, AI690946, AI554821, AW151136, AW084065, AI539771, AI922561, AI432644, AI584140, AI686817, AI537677, |

AI494201, AI627909, AI500659, AW089006,
AI493559, AI866465, AI459322, AI815232,
AI832245, AI801325, AI682891, AI500523,
AI538850, AI887775, AI582932, AI872423,
AI590043, AI923989, AI284517, AI500706,
AI445237, AI491776, AI289791, AW151138,
AI678446, AI889189, AI521560, AI500662,
AI539800, AI582912, AW172723, AI284509,
AL079741, AI889168, AI440263, AW088899,
AI866573, AI633493, AI434256, AI866469,
AI434242, AI805769, AI554344, AI888661,
AI500714, AI284513, AI888118, AI873638,
AI285439, AI538342, AI859991, AI436429,
AW089275, AI889147, AI623736, AI355779,
AI371228, AI581033, AI491710, AI431307,
AI440252, AI866786, AW151451, AI610557,
AI860003, AI431316, AI242736, AI376376,
AI828574, AI887499, AW151979, AI537187,
AI539781, AI094489, AI076761, AI539707,
AI702065, AI866608, AI963846, AI885949,
AI569309, AI633419, AW089557, AI559957,
AI285419, AI521571, AI469775, AI866581,
AI865320, AI860783, AI567953, AI815150,
AW183130, AI446495, AI570966, AI537190,
AW193139, AI056694, AW103398, AI355017,
AI886594, AI364639, AI610115, AW150457,
AW085786, AI636788, AW129230, AW080374,
AI300354, AW080379, AI872722, AI567582,
AL039456, AW088903, AI610402, AI370812,
AI910464, AI963019, AI624693, AL046052,
AW162194, AI919593, AL047422, AI440238,
AI567971, AI269580, AI539153, AW081383,
AI627893, AW080298, AI345477, AI683497,
AI500504, AI583065, AI933992, AI582461, H42557,
AL117568, Z95126, U77594, Y11587, AB026436,
AF090901, AF115392, U49434, AF058921, L10353,

I03321, AR034821, AL137268, AL137712, AL137658,
I09499, AL133049, AL133067, I89947, S83440,
E12747, AL137429, AF107847, AL122049, E07108,
U78525, AF119337, AF199027, AL110222, AF114170,
A18777, I48978, U96683, AF047716, Y14314,
AL137550, AL133081, M27260, I66342, X72889,
U92992, AL049452, AL122050, AL122100, U36585,
AL137463, A21103, AL122106, AL080140, AF065135,
AR060234, AL080139, AL137558, A08913, AR038854,
AR066494, X62580, Z72491, AF114818, AL133072,
A08912, AL137480, A08910, AL137526, I89931,
A08909, AL133070, I33392, U42031, AL110221,
AL137256, S77771, AF032666, AF078844, AL050015,
I49625, A08908, AF031147, AF200464, X72387,
AL133619, AL133665, S76508, AL080060, E03348,
AF017437, AL133558, E03349, AF159615, A30910,
AR000422, AL117460, AL122045, X67813, AL050138,
A08915, AF102578, AF057300, AJ005690, AF057299,
AL137476, AL050366, I89934, AL137539, AL137488,
AF038847, AR019470, AF094480, AF182215,
AF113013, AL122110, A65341, AL133080, AL122098,
U68233, I92592, E01314, AL023657, AL133077,
A52563, AL122123, AL133104, AL133637, AF090886,
A65340, AF210052, AL137574, AF090900, A45787,
Y08769, I22272, AB019565, AF067790, AR013797,
Y16645, AF090943, X79812, U67958, X06146,
AL050172, A27171, S79832, AL133113, X66975,
AL117435, AL137548, AF022363, AL080163, A08907,
E02253, AF118070, AL137271, AJ242859, AF039138,
AF039137, AL137660, AL050155, AL137294, Z97214,
AC004227, AL117648, AF113019, AF119336, I42402,
AF026124, AJ010277, AL096751, AL050393,
AF113691, AF179633, AF113690, X66862, S36676,
AF067728, AL080154, AF111851, Z13966, Z82022,
AF183393, A58545, AL080137, AL133010, AL137555,
AF000145, AF008439, AF081195, AR011880, E07361,

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| | | | | AL035458, AL137300, I00734, A08911, I89944, U75932, AF100931, X66871, U92068, A77033, A77035, A76337, AL133645, AL117626, AL137459, AL133624, AF106697, AL050116, E00617, E00717, E00778, AF030513, A12297, AF106862, I68732, A58524, A58523, A08916, AF002985, AF012536, AF113689, AF215669, X61399, AL080159, AL049460, AL137530, X80340, AL117416, AR059958, AL080234, AF061795, AL117457, AF151685, AF158248, AL137665, AF104032, X96540, M92439, AC004686, AJ001838, L13297, E15582, AL117585, X54971, AF185576, AF026816, E02152, Y10655, Y10823, AF118094, AL137478 |
| 1659 | HE8TT24 | 876946 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 873 of SEQ ID NO:1659, b is an integer of 15 to 887, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1659, and where b is greater than or equal to a + 14. | AA477859, AI347465, AA741252, AI672808, AA251469, AI275156, H61853, H61854, AA336646, AA676384, AI909660, AA182632, AA082822, AA311433, AA125933, AJ238376, AJ238375, AJ238374, AF161479, AJ238379 |
| 1660 | HSSJS63 | 876947 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 833 of SEQ ID NO:1660, b is an integer of 15 to 847, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1660, and where b is greater | AI862703, AA612688, AW249954, AI827363, AA610743, AI432650, AI802722, AI239964, AA701945, AA612922, AI361623, N33537, AI301851, AW002136, AI802741, AA176363, AA576449, AA976265, AA766161, AA918580, AA653969, AA148478, AA827535, AA808278, H93495, H62703, T17099, AI972187, N51008, AW195377, N35315, AA468340, AW272194, AA932140, H27698, H18938, AI242349, AI218074, AI915880, AA601068, AI263921, AI925918, T95492, R95678, AA287244, AI916550, AA886254, H26101, AA641272, AI985842, |

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| | | | than or equal to a + 14. | AA284523, T64348, AI709153, AA405410, AA917562, AI625872, AA583805, AA514621, AA402915, AW299786, H28434, H21901, H21407, AI247273, T72816, H59524, T74771, AA931965, H60166, AA148477, AI767616, AI935706, AI640135, T28521, H24592, AA385649, T71664, AA835555, T72815, AI783613, H26143, R29069, L07548, D16307, AC006255, D14524, E04020, D13514, E04019, X68564, AB017196 |
| 1661 | H2CAA03 | 876949 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 494 of SEQ ID NO:1661, b is an integer of 15 to 508, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1661, and where b is greater than or equal to a + 14. | AI200746, AA306947, AA679811 |
| 1662 | HCROI77 | 876952 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 530 of SEQ ID NO:1662, b is an integer of 15 to 544, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1662, and where b is greater than or equal to a + 14. | AA631215, AI924992, AW079378, AA988078, AI820581 |
| 1663 | H2CBW39 | 876953 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AA315245, AB011148, A90836 |

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| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 430 of SEQ ID NO:1663, b is an integer of 15 to 444, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1663, and where b is greater than or equal to a + 14. | |
| 1664 | HHBHM68 | 876954 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1265 of SEQ ID NO:1664, b is an integer of 15 to 1279, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1664, and where b is greater than or equal to a + 14. | AI344224, AI343252, AI763340, AI971555, AI524277, AW195633, AW242690, AI949067, AW043627, AI949493, AI831556, AI589614, AA569876, AW118064, AW294645, AW022953, AA806680, AW068609, AA773062, AA461578, AW302627, AI962293, AA661535, AI914032, AI077935, AI350493, AA045227, AI433117, AA304941, AI475606, AI375626, AI307282, AA316518, AA814665, AA805929, AA622783, AW384234, N40708, AI355690, N29617, AA630457, AI671471, AI184753, AA251540, AI769738, AI192362, AI584155, AI040830, AW392440, N62356, AA099428, N48993, N41617, AA058804, AA167231, AA206488, AA167230, R66016, AI143758, AA669452, AA171987, AW028843, AI094496, AI219343, AI928715, AI640579, AA857867, T98791, AA130523, AA101889, AA460290, AA251498, AI868406, AI206342, R66015, AA172303, AA570042, AW401363, AW366605, AW007103, AA657969, AA635112, AA308035, AA373437, AI688532, AW068608, AI671588, D11580, H79250, AA503511, T27591, AA306546, AA330367, AW402028, AI219231, AI913403, AI630129, AA130522, AA344392, AA319396, T98790, N45715, AA569886, J02645, X53689, J02646 |
| 1665 | HSYBF36 | 876957 | Preferably excluded from the present invention are one or more | AI341667, AA180986, AI341558, AI093197, AA031711, AI694268, AI469856, N63041, N50125, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2495 of SEQ ID NO:1665, b is an integer of 15 to 2509, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1665, and where b is greater than or equal to a + 14. | AI478279, AI150599, AI597740, AI985206, AI671591, W72535, AI741942, AA037642, AI962374, AA180865, AA031648, AI800796, AA436065, AA129939, AW002265, AI074205, AI056532, AI656721, AI275143, AI337739, AW172525, W00519, AA446926, AA043021, AA830493, AI655558, AI769027, AA443349, AI095056, AA917703, W93307, AA526333, AI689128, AA777090, AW002829, AA101851, AW139517, AI128702, AI276137, AA873711, N98234, W76109, AI631104, AA856832, W92810, AA042939, H87505, AA129938, AI688779, AA693329, AI676108, T87624, AA570072, AA037641, AI186390, T74071, AA031685, AA037500, R82703, AA037234, AW380430, AA985191, R82654, H87506, AA938640, AI926907, AI916503, AI696069, AW140052, AA102060, F12449, AI671894, AW057528, AI695458, AA046964, AA725452, AI968837, AA917824, AA054749, F10070, AA917678, AA683581, AA937814, AI932475, AI984598, AA046963, AA053281, AI801723, AI499751, AA085888, AA031686, AI074981, AI279953, AI809560, AF038662, AB024436, AF022367, AF142672 |
| 1666 | HWMCE91 | 876958 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEQ ID NO:1666, b is an integer of 15 to 421, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1666, and where b is greater than or equal to a + 14. | AA890722, AI695176, AI223269, W15428, AI678286, AW449557, AI344351, AW129566, AW083717 |
| 1667 | HUVFJ36 | 876959 | Preferably excluded from the present invention are one or more | AI923735 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 511 of SEQ ID NO:1667, b is an integer of 15 to 525, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1667, and where b is greater than or equal to a + 14. | |
| 1668 | HLYBU84 | 876961 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1335 of SEQ ID NO:1668, b is an integer of 15 to 1349, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1668, and where b is greater than or equal to a + 14. | AW007548, AW369750, AI908457, AI630915,<br>AW365081, AI817246, AI686944, AW162565,<br>AA534893, AA033782, AA599322, AI096489,<br>AA621824, AA176242, AA483552, AA588407,<br>AI862878, AA427425, AA613885, AA412220,<br>AA243477, W94878, AI460031, N95605, AA470032,<br>AA677651, AI148140, AA902530, AA577431,<br>AA523380, AI434640, AW026082, AI573043,<br>AI129794, AW009274, AA554102, AA700766,<br>AW292794, AI673429, AW160961, AW026393,<br>AW272201, AA156869, AA075534, AI802460,<br>AA643550, AA075634, AI086037, AI434128,<br>AA432191, AI934640, AA936148, AA832390,<br>AA043287, AI075001, AW009314, AA830134,<br>AA769386, AI370761, AA075581, AA603666,<br>AW337458, AA553892, AW380901, R36977, AI301698,<br>AI613297, AA431171, AW190498, F36773, AA176143,<br>AA961812, AA075591, AI201445, AA034038,<br>AI355815, W93408, AA417790, R37629, AI538237,<br>AA190514, R33090, AW087224, AA191034, H29313,<br>AW057939, AI792731, AI384050, AA306868,<br>AI016135, AI015828, T15760, R07498, AI587586,<br>AA043626, AI034090, R00242, AA083325, AA553691,<br>AI383781, F21581, AA156870, AA311197, F01230,<br>AA316341, AA417694, W25045, AI147345, AI418700,<br>AI202543, AA319535, AA933690, R07551, T60037, |

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| | | | | AA376766, D19678, AA311196, AA196806, H01342, F30880, AA629750, F33909, AA243536, R00351, AA302201, AA524118, W28836, AA281519, R33180, AA719927, R76589, AA083438, AA911141, AA494408, AA034119, AA295285, T23201, AI984875, AA156979, AI142352, AI971194, AI762052, AI174475, AW026079, H01393, R76588, AI086242, AA777753, AA258556, AA782087, AI651923, AI306436, AA946836, AA946830, AW139820, AA946595, AA973780, AA761539, AI088083, AA741308, AA968972, AA865328, T86736, AA459999, AA701556, AI188245, AI188276, AI000875, AA599243, N32426, AI023878, AW027063, AI088920, AI193846, AA126805, AI800579, U20272, D32257, U14134, AC004739, AC006045 |
| 1669 | HWLMK65 | 876963 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 472 of SEQ ID NO:1669, b is an integer of 15 to 486, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1669, and where b is greater than or equal to a + 14. | T86558, R74597, AA495751, AI204352, N56848, AI242056, W20015, AA460093, AA307386, AA700368, AA693860, R97459, AI806458, R97416, AA164861, AI241618, AA235676, AA362800, AA203578, AA203546, AA704439, AI862463, N35933, N45430, AI239984, AI375890, AI393761, AI378188, N35287 |
| 1670 | HWLPY93 | 876964 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1943 of SEQ ID NO:1670, b is an integer of 15 to 1957, where both a and b correspond to the positions of | AI433785, AI379875, AA403186, AW069343, AI129895, AW069233, AA534411, AA181432, AA032182, AI935567, AI376398, AI089572, AI452747, AI803472, AA447447, AA236374, AA128133, AA477274, AI038660, AA477275, AI002572, AA233880, AA447446, AA181371, AW130668, AI769036, C03202, AI277470, W07713, AA715421, AA126867, AI680552, AA404675, AA126195, C04150, F30780, AA235347, AA192944, |

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| | | | nucleotide residues shown in SEQ ID NO:1670, and where b is greater than or equal to a + 14. | AA421799, AA024985, N80591, D79794, F37772, AA127217, AA027110, Z36263, AI925660, F35592, AW263312, AI139845, AA247376, AI038015, AI128210, AA193137, AL119598, AA249326, AA629114, F31719, AA232826, AA729266, AI193315, AA249762, AW373642, AW373769, AI375939, AI383560, T29636, AW391401, AF114264, AF056035, AF056034, S67069 |
| 1671 | HWMBV37 | 876965 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 801 of SEQ ID NO:1671, b is an integer of 15 to 815, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1671, and where b is greater than or equal to a + 14. | W05557, AA278474, AA485179 |
| 1672 | HCDME16 | 876966 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 818 of SEQ ID NO:1672, b is an integer of 15 to 832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1672, and where b is greater than or equal to a + 14. | AI380296, AW206501, AI393559, AI369479, AI362907, AI125368, AW272471, AW136950, AW273903, U46350, U46345, AF166331, M60329, AJ272227, X86395, X86396 |
| 1673 | HCRQM25 | 876967 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | Z46094 |

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| | | | the general formula of a-b, where a is any integer between 1 to 577 of SEQ ID NO:1673, b is an integer of 15 to 591, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1673, and where b is greater than or equal to a + 14. | |
| 1674 | HWMBV72 | 876968 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 602 of SEQ ID NO:1674, b is an integer of 15 to 616, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1674, and where b is greater than or equal to a + 14. | AA863064, AI637610, AA075674, AA075545, AA206591 |
| 1675 | HCRQK24 | 876969 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 653 of SEQ ID NO:1675, b is an integer of 15 to 667, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1675, and where b is greater than or equal to a + 14. | AI032744, Z60017 |
| 1676 | HWLOK80 | 876971 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AA694142, AA815120, AA749173, AI005429 |

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| | | | the general formula of a-b, where a is any integer between 1 to 817 of SEQ ID NO:1676, b is an integer of 15 to 831, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1676, and where b is greater than or equal to a + 14. | |
| 1677 | HNTBD04 | 876975 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1305 of SEQ ID NO:1677, b is an integer of 15 to 1319, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1677, and where b is greater than or equal to a + 14. | AI379864, AI081896, AW131833, AW170478, AI806491, AI378805, AI709093, AI491963, AI343481, AI083547, AA411203, AI718197, AA281624, AI379105, AI379556, AI361971, AA844487, AA422096, AI493410, AW370896, AI380997, AA583293, W04273, AW370895, H50534, AA465371, AA281683, AA890322, AI671250, AA465447, AA581543, H68367, H68369, AA338712, AW152574, T40124, R36504, T10779, R83236, AI699600, AI239994, AI333199, AW183647, AA353157, L48692 |
| 1678 | HWLUV59 | 876976 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 456 of SEQ ID NO:1678, b is an integer of 15 to 470, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1678, and where b is greater than or equal to a + 14. | AI889597, AI684260, AI351574, R98436, H51098, AI631843, AW291703, AW300604, AW194814, AW370191, AJ224747, AJ224748, AJ001306 |
| 1679 | HSUSF13 | 876977 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AI085974, AI858091, AI720077, AW072390, AI989948, AI934584, AW117525, AW237303, AW150311, AI692995, AI815035, AW102807, AI832505, AI922557, AW069468, AA446165, |

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| | | the general formula of a-b, where a is any integer between 1 to 1112 of SEQ ID NO:1679, b is an integer of 15 to 1126, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1679, and where b is greater than or equal to a + 14. | AW377667, AI342228, AW295915, AA843597, AA031368, AA031369, AA506182, AI338064, AW002066, AI128919, AI083953, AW367975, N27866, AA582219, AI751107, H96650, W47079, AI129845, AI953830, AA976702, AI750786, AI366199, AI014661, AI090678, H96654, AA846208, AA018530, AW085102, N92750, AI142994, W46779, AA044355, N40640, AI031911, AA913602, AA506298, AA769731, W78040, AA917375, R68943, W46978, N20969, AI750787, AA102449, H28051, W32033, N40269, N30984, R67524, AW367978, AA876079, H26305, H84840, AW074611, R70575, AA883585, AA725372, H13743, AI751106, W19406, AA778022, R70485, AA044033, H00808, AA055964, AA296636, AA459816, R78950, H26464, AI300644, AA642011, AA508205, AA508225, AW235801, AA649284, R24391, AA508374, AA035658, AA301832, AA296525, R21974, H88611, AA506194, AA370945, T90836, AI025235, H88612, AA055963, AA857378, R67525, AA018277, AI828914, R24281, H98539, AA337106, AA374691, T85743, H39859, R68830, R21973, AW366386, D61749, N28622, AA322178, AA975143, AA096079, AW025044, AI040706, AI459355, AW367977, W31440, AA302828, AA382269, AA382270, AA459696, R57416, AI684270, AI523423, AI554821, AI686576, AI537303, AI590021, AI624548, AI868204, AI955906, AI637584, AI818353, AI089970, AI581033, AI564290, AI569975, AI866469, AI440260, AI884574, AI621341, AI609409, AI458237, AI564719, AW008779, AI950892, AI927233, AI540674, AI538692, AI670002, R36271, AI698391, AI909661, AI866465, AI610690, AI783861, AI537273, AI866801, AW262042, AI800380, AI453328, AI538850, AL036901, AW118518, AI633125, AI697324, AI978703, AI583065, AI537244, AI538716, AA761557, AW160916, |

AI623941, AI560023, AA641818, AI815232,
AW071177, AI569309, AL134259, AW410259,
AI702073, AL047100, AI537191, AW198090,
AW149311, AI567944, AI696340, AW148408,
AI612913, AI474646, AI440238, AW083804,
AA715307, AA809974, AI432969, AI539260,
AI860027, AL036923, AA470491, AI862139,
AI819326, AI433157, AI654750, AI499393,
AI539771, AI520785, AW151132, AI366900,
AA835801, AI355779, AI923989, AI537677,
AW051088, AW087207, AW169671, AI886206,
AW161156, AI635492, AW105383, AI879377,
AI690410, AI863382, AI872423, AI091468,
AL038986, AW151766, AI524654, AI625595,
AW073996, AI798456, AI804585, AI801325,
AW022682, AI522052, AI439087, AW082033,
AW104724, AI859991, AI573032, AF125535, Z92846,
U00763, U01145, AL080140, A83556, I48978,
AL035458, AC005291, A77033, A77035, AC007298,
M81784, AF081195, U95739, AL080163, AF081197,
A91162, AL050138, E08631, I89947, AF087943,
AL050149, U72620, A76335, AL137459, E06743,
AL110222, AL137480, AF098162, AL133665,
AF100931, AL137558, X80340, AL137550, AL110218,
AF061943, AF126247, AL049283, AL050024, X65873,
AL050277, A08910, A58524, A58523, A08909,
I48979, X61970, AL137526, Y16645, A08908,
AL096744, A08913, Z37987, AF061795, AL080239,
U62807, AF151685, AF039138, AF039137, AF201468,
AR038854, AL133075, AF032666, X82434, AL122049,
AL133640, AL133568, AF030513, X53587, AC004383,
AF097996, AL137557, A65341, AF090900, U80742,
AL122093, Z97214, AF104032, AL137476, X81464,
AF078844, AL133080, AL049382, I26207, X84990,
AL122100, AL137529, AL117457, AL117435,
AR011880, AF026816, AJ006039, AF177401,

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| | | | | AL137488, Z35309, AL133560, I89931, AB016226, AL133557, AF184965, AR034821, AF008439, AL137463, I49625, A08907, AL122110, X53777, AL133072, AL110280, A08916, AF125948, AF090934, AF028823, AJ000937, AL117587, AL080074, AL137554, A91160, Y14314, A08912, AL137656, AC004822, A23630, A18777, AL049430, AL137533, AF079765, A03736, AL049347, U88966, X72889, A08911, AL122121, AF113691, AL137560, AL137538, AF090901, X93495, AL133031, I96214, AL080159, AL117626, AF090903, AL133016, I09499, AL122045, AF061981, AL080148, S76508, AL122123, AL050366, AR034830, AL137627, AF113019, AL133558, Y18680, AL122050, I33392, AF113699, Y13350, AL133081, AF079763, AF111849, E07108, Y09972, AF067728, AL133077, AL110225, S68736, AL122118, I32738, AL133113, A18788, I89934, AL080110, AF091084, AF031903, E05822, AF111851, U35146, AF183393, I03321, AF106862, AL137479, M80340, I89944, A21103, Y10655, S75997, L13297, S36676, AL122111 |
| 1680 | H2CBE41 | 876978 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 616 of SEQ ID NO:1680, b is an integer of 15 to 630, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1680, and where b is greater than or equal to a + 14. | AA307330, AI032392, AI434808, AI632534, AW136621, AI992345, AI637461, AA836544, AA745059, Z21538, D20524, D80522, D81026, AW377671, D58283, D59889, D80133, D80043, D80022, C14331, D80248, D81030, D59859, D80188, D80166, D50979, D80195, C15076, D80269, D59467, D51423, D59619, D80210, D51799, D80391, D80164, D59275, D80240, D80253, D59787, D80227, D80212, D59502, D57483, D80196, D80219, D59927, D50995, D80251, D80038, AA305409, D80193, D59610, C14389, D51060, D80378, C14429, D80024, D80366, AA305578, D51022, D59373, D80045, C75259, AW177440, AA514188, D80241, C06015, AW360811, AW178893, D80268, T03269, C14014, D59627, AA514186, AW375405, AW360844, D80014, D80132, AW179328, AW177501, AW177511, D51213, D80247, |

AW378532, AW366296, AW352170, AW360817, D80302,
AW375406, AW378534, AW352171, AW179332,
AW377672, AW179023, AW178905, D80439, AW177505,
AW178775, D80064, C05695, AW377676, D81111,
AW178762, C14227, AW360841, D58101, AW352117,
D80134, AW178906, D51250, AW178909, D59503,
D58253, AW177731, AW178907, AW178754, AW179019,
AW179018, AW179024, AW369651, AW367967,
AW352158, F13647, AW179020, AW176467, AW177456,
AW179329, AW178980, AW360834, AW177733,
AW378528, AW178908, AW178971, D51103, AW352174,
T02974, C14407, D51759, D80157, AW179017,
AW179004, AW179009, AW179012, AW178914,
AW378543, AW378525, AW352163, AI910186,
AI557751, T11417, AW378539, D80168, AI905856,
T03116, AW178774, AW178911, AW177722, AW177728,
D59653, T48593, AW378540, C14298, AI557774,
D45260, AW178781, AW352120, C03092, D60010,
H67866, AA809122, H67854, AI525923, Z21582,
D52291, AW367950, D59695, D80949, C14344,
AI525917, D59317, D45273, D58246, D59474,
D80258, AI525227, AA285331, C14046, C14973,
AW177734, AW378533, D51079, AA514184, D51097,
AW167716, AW178986, D51221, C16955, C14957,
AI525920, AI535686, D59551, AI525912, D60214,
AI525235, AW179013, H67858, T03048, Z33452,
AI525242, AI525925, AI525215, F13796, AW378542,
C05763, U38654, AF154840, AF125393, U57094,
A62300, A84916, A62298, AJ132110, AF058696,
AR008278, AR018138, AB028859, D34614, X67155,
Y17188, D26022, A25909, Y12724, A67220, D89785,
A78862, A82595, A94995, D88547, AR008443,
AR060385, AB002449, X82626, AR016808, AR025207,
I50126, I50132, I50128, I50133, AR066488,
AR016514, AR060138, A45456, A26615, AR052274,
AR054175, AR038669, Y09669, A43192, A43190,

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| | | | | AR066490, I14842, AR066487, A30438, Y17187, I18367, AR008277, AR008281, A63261, D50010, A70867, AB012117, AR062872, AR016691, AR016690, U46128, X68127, AR008408, A64136, A68321, A85396, D88507, AR066482, A44171, I79511, A85477, I19525, A86792, D13509, AR060133, X93549, X72378, AF123263, AR032065 |
| 1681 | HWLFY03 | 876980 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 598 of SEQ ID NO:1681, b is an integer of 15 to 612, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1681, and where b is greater than or equal to a + 14. | AA307778, AL119084 |
| 1682 | HE2JX48 | 876981 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1180 of SEQ ID NO:1682, b is an integer of 15 to 1194, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1682, and where b is greater than or equal to a + 14. | AA426499, AW081325, AI985955, AW021040, AI160194, N51691, AI139313, AI378674, AA622963, AI624270, AI656023, AI418379, AI095120, AI634162, AI362188, AI190851, AI091497, AA009944, AA418983, AI336531, AI394274, AA857944, C15793, AI214264, AI277517, AI346314, N47105, AI361996, C16060, AW192963, D57940, AI536992, AI304548, AA918156, C16528, N40979, N67845, AA393695, AA857656, AI659750, H95189, AI493625, C16468, D56642, AI094425, AA552961, AI080394, R81446, AW439682, N51633, D56627, D56835, N44986, H88689, AI589928, AA379627, R76880, AI832292, H88648, C16043, D57541, D57973, AA328571, D57430, AA360724, AI089758, C16179, C16087, D79736, AI445344, D56588, R32408, AI470720, R81649, AI279894, AI933918, AI218414, R69853, AA056022, AI333062, AI004951, |

AI088814, AI301446, AI301394, AA775678,
AA603697, AI151369, AA775618, AI961728, D56917,
AI151348, AI921968, H88952, AI423219, AA101875,
AA345303, AI379653, AI218413, AA148883, R69854,
AI553652, C16222, AA247850, AI638373, D62852,
D57431, C16128, T99176, AW073968, C21346,
D79319, D25644, R57315, D62988, C16117, C16253,
N50313, AA918998, R32407, AI096770, AA479361,
AA564604, AA479186, R77041, AA478645, AW205520,
AW069594, AW104938, AI755000, AW069627,
AI264950, AI362021, AI584053, AI367672,
AW337368, AA206329, AW128957, AA666020,
AI249775, AI130987, AW198220, W74332, AW338136,
AA872307, AA171971, AW241261, AW338347,
AA148956, AI916347, AA554374, AA862791,
AI718186, AA150911, AI659417, AW026625,
AI190520, T27978, H89035, AA975415, AA479472,
AI911934, AI819270, AA256999, AA977736,
AA723064, W72577, AI336178, AA722599, AA905491,
AA075265, AI580783, N26834, AA532639, AI193987,
AA142873, AI620284, Z20033, AI039612, R62837,
AI433157, AI358578, AI500659, AI500523,
AI284517, AI275175, AI539771, AI433976,
AL045500, AI537677, AI281773, AI491776,
AI801325, AI499463, AI624206, AA452612,
AW151138, AI696612, AI815232, AW148320,
AL045266, AW008048, AI282655, AI572787,
AW075351, AI524671, AI274508, AI889376,
AI866457, AI282281, AW087445, AW075413,
AI432666, AI567940, AL036802, H52440, AI436456,
AI610362, AI270707, R64680, AI963846, AI612913,
AI554821, AI783504, AI866608, AL121286,
AI637584, AW238730, AI538716, AI862144,
AI926790, AI500077, AI702406, AI921248,
AI590120, AI571909, AL040243, AI702073,
AI349598, AI269862, AL038605, AI249323,

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| | | | | AI702068, AI869367, AI281772, AI631107, AL036396, AI610402, AI281837, AW170635, AW051258, D45889, A74912, I89947, I48979, A08916, A08913, I89931, D13542, I48978, AL137527, AF091084, L31396, AL133640, L31397, AL049452, AF104032, AL122049, AF113013, A03736, AL049430, AF113677, AL050116, AF106862, AL137557, AL122098, A08910, AL050277, AL117457, A08909, AF090943, AF146568, AL080159, S78214, AL133016, AF113699, AL137459, A65341, E07361, AL133080, AF113691, AL080060, A77033, A77035, I33392, AL110196, AL137463, AL133113, AL049466, AF113019, U42766, Y16645, AF113690, AF090903, AL117460, AL050149, AL080124, Y11587, AL050393, AF090934, AL137271, AL049938, AF125949, AL133557, AF177401, U35846, AL049283, AL133565, AF078844, AF090901, AL049382, AL050146, AF090900, I49625, Z82022, AL117583, AL133093, AL122110, AJ242859, AF113694, A58524, U80742, E03348, AF067728, AF113689, AB019565, Y11254, AL049314, AF113676, AF118064, A58523, AL122123, AL110221, AR059958, S68736, AF125948, AF090896, AL122093, AF158248, AL050108, AF118070, AL050138, AF183393, X84990, X72889, AL137550, AL122050, AL133072, X82434, AF111851, E02349, AL133075, AL133560, AF017152, AF017437, AL117435, AF118094, AL080137, I03321, AL122121, AL133606, AF087943, AR011880, E07108, AL096744, AL117394, AL110280, AL050024, AJ000937, AL117585, AL049464, U91329, E15569, A93350, AL137648, A93016, X63574, U67958, AF097996, I42402, U00763, A12297, X93495, AL137538, AJ238278, AF079765, AL110225, I09360, AL133077, I26207, AL137521, AL049300, Y14314, AL137283, U72620, X96540, AF119337, AL080127, X65873, X70685, AF026816, AJ012755, AL133067, AF153205, |
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| | | | | A08912, AF061943, AR038969, E08263, E08264, AL137560, AF185576, X98834, AL110197, AL050172, AL133014, AL137480, S61953, AL133104, AF111112, AR000496, U39656, AF026124, AF057300, AF057299, AL137523, E05822, AL137556, Z37987, AL133568, AL137476, AL137526, AR038854, U58996, AF079763, AF111849, AJ006417, AF003737, AF061981, X87582, AL117440, AC004383, U49908, AL133098, AL137488, AF061573, AF032666, A45787, U96683, Y09972, I00734, Y07905, AF051325, X92070, AF162270, E00617, E00717, E00778, U78525, L19437, A07647, Z72491, M30514, AF177767, AL122118, X53587, AL080074, AL137300, AL137533, AF106827, AC002464, AF106657, AF008439, AR020905, AR013797, A90832, L30117, I17767, E08631, AF095901, E04233, U68387, I09499, AF139986, AL133031, E02221, AF118090, AL122111, AF210052, AL122100 |
| 1683 | HNFHD27 | 876983 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1000 of SEQ ID NO:1683, b is an integer of 15 to 1014, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1683, and where b is greater than or equal to a + 14. | AI742835, AI469703, R98751, R83167, AI538038, AI215412, T96765, AA206614, R93713, AI678748 |
| 1684 | HWLXS11 | 876984 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 417 of | AI692881, AI240606 |

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| | | | SEQ ID NO:1684, b is an integer of 15 to 431, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1684, and where b is greater than or equal to a + 14. | |
| 1685 | HCRPG94 | 876985 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 555 of SEQ ID NO:1685, b is an integer of 15 to 569, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1685, and where b is greater than or equal to a + 14. | AA307658, AW381667, AW295050, AI525535, AF095791, AF220152 |
| 1686 | HCUGO73 | 876987 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 908 of SEQ ID NO:1686, b is an integer of 15 to 922, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1686, and where b is greater than or equal to a + 14. | AI581133, AI183335, AI591306, AI859797, AI474090, AA757640, AI076898, AI559591, AA457735, AW173564, AW204070, AA480846, AA767766, AI526090, AI392866, AA723065, AA939140, R52542, AW103638, AA766199, AA757573, AI591339, AI910407, AA036665, W47118, AW020710, AA580663, AL039858, AA708505, AI002285, AW090087, AA641818, N63128, AI440263, AL040827, AI889256, AA939199, AI866465, AI401697, AW263804, AI538850, AI688848, AL120853, AI886440, AI859782, AW161156, AA557132, AI567961, AI801325, AW020373, AI587000, AW020397, AI624950, AI500714, AA056265, AW020693, AI581033, AI961414, T99953, AI918554, AW167918, N99092, AI619513, AI345005, AL041016, AI340627, AI570861, AI889147, AI582932, AL121564, AI685798, AI698391, AI345014, AI538564, AI915291, AW152182, AA420722, |

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| | | | | AW161579, AI471909, AI923989, AI284517, AI590043, AI491852, AL047422, AI889189, AI811192, AI917994, AI473536, AI340982, AW079432, AA857847, AL049048, AI866469, AW151979, AA741027, AI371251, AI859991, AI884318, AI440238, AI624245, AI568061, AW075382, AI923750, AI348854, W74529, AI866573, AI702343, AI539260, AA042949, AA502794, AW191003, AW071380, AL036923, AI334893, J05272, AC007283, U00978, A91160, A91162, I48978, Y10080, X06146, A21101, I52013, AF125948, U49434, AL133080, A83556, AF017790, A08910, A18788, D89079, AL117440, A08909, S83456, A49139, AF047716, A58524, A58523, AF119337, A08908, X70514, AL137292, I30339, I30334, A08912, AJ006417, E12747, AL136884, S63521, AF087943, A07647, U42766, AF124435, AL122045, AL133072, AF113013, I00734, I48979, A76335, S77771, E00617, E00717, E00778, AL137476, AR038854, A08907, AL050172, U58996, X15132, E04233, A08913, AL137459, AF146568, U72621, AL096720, A12522, A18777, I89931, Y18680, AF111849, S76508, D16301, A08911, I89934, I89944, AL050149, I49625, AF094480, L04849, Y08864, AJ000937, AL137640, AL049430, AL080154, I46765, AL122100, AJ003118, AL117587, AL050280, AF159148, AF026124, AF106945, AF118094, AL117460, U62807, AL049996, AB016226, AF113019, AL133637, AF100931, Y16645, S36676, AL110196, A77033, A77035, AL080159, AF143957, AF079763, Z37987, AL117457, Y14314, AL080156, AR038969, AL137488, AF090901, AL080126, X65873, U35846, L04504, AJ012755, I89947, A17115, A18079, A15345, AL080124, X62580, AL049382, X63162, AL117649, AL110158, AF090903, AL050116, AF061981, I32738, AB030279, AL080163, AL133112, |

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|---|---|---|---|---|
| | | | | AL137267, I68732, D83032, L13297, A08916, AF031903, AF118090, AL133568, AL110225, AL122123, M80340, AC004200, AF179633, AL137463, X81464, AL137627, AR013797, AF207750, AF113690, AF017437, X66871, AL133558, AL049283, I33392, AF051325, AL049464, L30117, M85164, M27260, AF199027, AF180525, U78525, AL133569, A52563, AL137527, Y07905, AF139986, AR068466, AL137548, AL137665, AF061943, U72620, AL137550, AL137539, AL117648, AL049347, AF038847, Y10936, A90844, AL137560, E02349, AL110296, AF090886, AL096744, I25049, I25048, AF177401, X86693, AF039138, AF039137, AL117394, AL133010, AF112208, AJ005690, AL137479, X72889, A90832, AL133665, I80062, E02152, I79595, AF002985, S75997, AF113694, X82434, AF119336, AF090943, AB031064, AF069506, AL133624, AL110221, X54971, U57352, AF016271, AL117443, AL137641, AL137480, AL049452, I29004, X66417, AL110159, AL133560, S61953, Z48796, AF028823, AL137283, I28326, AF067728, X87582, U67958, A93350, AL137529, E07108 |
| 1687 | HPMDD49 | 876989 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1582 of SEQ ID NO:1687, b is an integer of 15 to 1596, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1687, and where b is greater than or equal to a + 14. | AL134806, AW408278, AW382759, AA315582, N43819, AW393044, AA310712, AA321625, N26436, AW393061, AA089543, AA740922, AW364275, AW402662, AA281391, AI540961, AI271339, D25278 |
| 1688 | HCNSF23 | 876990 | Preferably excluded from the present invention are one or more | AI394043, AI198754, AI198189, AA969930, AI739036, AI268413, AA861762, AI222281, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 315 of SEQ ID NO:1688, b is an integer of 15 to 329, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1688, and where b is greater than or equal to a + 14. | AA883969, AI312584, AW197737, AI337319, W60319, AI476496, AI420953, AI816942, AA917042, AW418714 |
| 1689 | HKDBC15 | 876991 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1259 of SEQ ID NO:1689, b is an integer of 15 to 1273, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1689, and where b is greater than or equal to a + 14. | AI862551, AI765006, AI917375, AI972770, AA552639, AI218562, AI768706, W65408, AI350781, AI640306, AA574291, AA468717, AI307307, AA055447, AA514669, AA574359, AA516276, AI658818, AI886513, AW104092, AI056398, AW291148, AW026517, AI537287, AI493566, AI420453, AI962537, AA468798, AA477076, AA055446, W61322, AI669652 |
| 1690 | HSIGM23 | 876992 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1006 of SEQ ID NO:1690, b is an integer of 15 to 1020, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1690, and where b is greater than or equal to a + 14. | AA504588, AL138384, R78587, R64412, AA236105, AI367325, R26008, H25950, AI359774, AI222758, AI285942, AI499688, AW072370, AI042411, AA928406, AI817207, AI130765, AW016387, AI082279, AI073537, R78588, R63806, AA405549 |
| 1691 | HCQBN43 | 876993 | Preferably excluded from the present invention are one or more | AI688703, AI761358, AI813766, AW182487, AI829360, AI380125, AI890417, AW377304, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1622 of SEQ ID NO:1691, b is an integer of 15 to 1636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1691, and where b is greater than or equal to a + 14. | AI934593, AW377372, AW377334, AW377268, AW375342, AW377315, AI357827, AW377285, AW377266, AA305061, AI559533, AW377387, AW377252, AW377383, AW377255, AI283201, AI286089, AW377339, AW377240, AW377223, AA515982, AI343596, AI475146, AW193361, AW377246, AA579699, AI289618, AW351695, AA503064, AW377220, AI803822, N49117, AW375369, AW351685, T29359, AW377256, AW375332, N48341, AC000061, AR016032, I11500, I66544, M55131, M76128, A83151, U20418, A49045, AF162427, I66545, AF016950, AF162400, AF013753 |
| 1692 | HCQBO03 | 876994 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 821 of SEQ ID NO:1692, b is an integer of 15 to 835, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1692, and where b is greater than or equal to a + 14. | AW369811, AW014155, AI334392, AA664276, AA608594, AA984631, AI954111, AA410972, AA586953, AW194426, AI445882, AI420061, R11024, AA911063, AI335787, AI623204, AA419568, R11072, AA864381 |
| 1693 | HCQCF85 | 876997 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 593 of SEQ ID NO:1693, b is an integer of 15 to 607, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1693, and where b is greater than or equal to a + 14. | |

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| 1694 | HUVFS16 | 876998 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1259 of SEQ ID NO:1694, b is an integer of 15 to 1273, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1694, and where b is greater than or equal to a + 14. | AA443167, AL046148, AA243821, AA492497, AA243686, AA405113, AI351901, AA463466, AA011361, AL043877, AB020669, AF054828, AF068920, AF068921 |
| 1695 | HCQBD51 | 877000 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 786 of SEQ ID NO:1695, b is an integer of 15 to 800, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1695, and where b is greater than or equal to a + 14. | AI635096, AA165632, AA523697, AW166525, AA769127, AW129960, AI686907, AI768699, AW136550, AI915606, AW188763, H79957, AI540313, AI769970, AA719353, AW151462, AW418915, AA829144, AA165668, AW182418, AW102605, AA757716, C16515, AA907061, AA860897, AI217462, AI217382, AI239881, AA703100, AA577904, R21911, AI637789, N87490, N42130, AI764980, AI936236, AI141067, AA649747, AA642829, R69594, AA528274, AA992380, AC006047, AP000509, AC004185, D84394, AL080317, AC005406, Z97876, AC009542, AC009330, AF058907, AF196971, Z98750, AC011604, AL030998, Z83820, AC004707, AC004617, AC004691, AC007319, Z97054, AC005908, AC003983, AL023280, AL031073, M74509, AC010209, AF026254, AF026248, AF026249, AC003678, AC003689, AC002094, U77841, AC004772, AL022147, AC004924, AC003093, AC004985, AC005574, AC003082, AL049697, AR036572, U91328, AC007206, AP000083, AC006023, AC002536, Z83839, AP000689, AC002059, AJ239329, AP000688, AB003151, Z98257, AC006017, AC005632, AC003087, AC006335, AC007317, AC022517, Z97198, AC000385 |
| 1696 | HCRMU18 | 877001 | Preferably excluded from the present invention are one or more | AA486568, AI733856, AA077667, AI090377, AA831426, AI336771, AA493546, AA670392, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 504 of SEQ ID NO:1696, b is an integer of 15 to 518, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1696, and where b is greater than or equal to a + 14. | AI816058, AC005914, AL035681, AL050307, AC009516, Z83826, AC005015, AC007041, AC004706, AC005484, AC004819, AC007536, AL121825, AF067844, AP000512, AC004962, AC007685, AF109907, AC005412, AC009247, AC005274, AF027390, AC002477, AC006487, AC006011, AL022318, U62293, AC005730, AC005069, U22376, AC005800, AL139054, AC007216, AC004150, AC000353, Z95114, AC005754, AL049569, AL049766, AC005013, AC005081, AB023049, AC006581, AP000558, AP000045, AL080243, AC009248, AC005071, AC004686, AL109628, AC007073, AC005971, AL035461, AL022721, AC005164, AL096791, AC005057, D84394, AL121658, AC006251, AC009721, AC003663, AC007371, AL049869, AL031432, L44140, Z98950, AC005520, AP000031, Z98946, AL022238, AC006511, AP000557, AC004668, AL031666, AF207550, AC005488, AC005358, AL117694, AC019014, AL121603, AL021940, AC007226, AC005632, AC005670, AC005529, AC006006, AC008115, AC002300, AL035086, AC005200, AC004491, AL023807, AF200465, AP000116, AC007676, AC004149, AF129756, AC007899, AC005740, AC006961, AC004913, AC005088 |
| 1697 | HONAN63 | 877002 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 530 of SEQ ID NO:1697, b is an integer of 15 to 544, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1697, and where b is greater than or equal to a + 14. | AA305628, AA308609, AA300521, AA356487, AA363124, AB020712 |

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| 1698 | HCQCU65 | 877004 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 518 of SEQ ID NO:1698, b is an integer of 15 to 532, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1698, and where b is greater than or equal to a + 14. | H73991, AI770045, AI866911, N24909, AA418453, N20611, AC006153 |
| 1699 | HCRNO79 | 877005 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 175 of SEQ ID NO:1699, b is an integer of 15 to 189, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1699, and where b is greater than or equal to a + 14. | AA987568, AL035420 |
| 1700 | HCRMO22 | 877006 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 624 of SEQ ID NO:1700, b is an integer of 15 to 638, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1700, and where b is greater than or equal to a + 14. | AB028946 |

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| 1701 | HFDME46 | 877007 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 681 of SEQ ID NO:1701, b is an integer of 15 to 695, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1701, and where b is greater than or equal to a + 14. | AA074619, AW375400, AW389301, AI909808, AW389291, AB014603 |
| 1702 | HCWHN82 | 877008 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 531 of SEQ ID NO:1702, b is an integer of 15 to 545, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1702, and where b is greater than or equal to a + 14. | AI283018, AW451644, AA889452, AI369736, AA971331, AI811185, AA991486, AA146655, AI888354, AA319058, AW388636, AI569358, AA877264, AI473558, F35033, C17917, AI952676, AI752007, AI860674, AW378122, AI687473, AW364312, AI209004, AI476109, AI446124, AW084219, AI567637, AW168485, AI805638, AW189268, AI244380, AI564515, AW088903, AI866002, AI678021, AW088899, AI701975, AI359590, AI696819, AI817543, AI365256, AI358042, AI610645, AI682075, AW409775, AI587288, AI886532, AW044626, AI697324, AI687362, AI499263, AW151729, AI280661, AI537617, AI611743, AI612759, AI570966, AI915243, AI633419, AI537991, AA603709, AI288285, AI866082, AW089179, AI690924, AI952302, AW085786, AI569309, AW023338, AI799199, AI569328, AI677797, AI249877, AI890057, AI471361, AI648408, AI539153, AI619716, AI867042, AI566630, AW265004, AI472536, AI919345, AW130863, AW168795, AI366549, AI636719, AI866741, AW002174, AA807088, AW118518, AI829327, AI805688, AW083804, AI696626, AI249946, AI589993, |

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| | | | AI241792, AI800138, AI583961, AW023590, |
| | | | AW082600, AI282504, AI598061, AW151785, |
| | | | AI620868, N74355, AW103886, AI961310, AW090451, |
| | | | AW083189, AI813919, AW059713, AI969641, |
| | | | AI687465, AI554343, AI699011, AW193203, |
| | | | AW189933, AI560052, F34958, AI922577, AI874151, |
| | | | AI613471, AI620093, AI635299, AI680498, |
| | | | AW151714, AW129230, AA830821, AW089006, |
| | | | AI274013, AI699862, AI890182, AI282508, |
| | | | AI567993, AI539771, AI873638, AI866608, |
| | | | AI476371, AI580674, AI475394, AI266436, |
| | | | AI888621, AI951446, AW149876, AI554344, |
| | | | AW078710, AI470293, AI567351, AI631112, |
| | | | AI491783, AI924721, AI339435, AI540823, |
| | | | AI698401, AI802240, AI572717, AI952920, |
| | | | AI251830, AI805769, AI434242, AI783861, |
| | | | AW103441, AI568296, AI921734, AW075522, |
| | | | AI620287, AI866786, AI568132, AI473528, |
| | | | AI590999, AI922996, AI828574, AW079159, |
| | | | AW151750, AI811912, AI799234, AI670782, |
| | | | AI280670, AW409687, AI567302, AI912866, |
| | | | AI439443, AW242116, AI697420, AI863357, |
| | | | AI364788, Z98484, AI828731, AI554484, AI885982, |
| | | | AI474107, AI955604, AI632408, AW151034, |
| | | | AI540821, AI472422, AW172723, AW170663, |
| | | | AW089436, AW081231, AI799195, AI682720, |
| | | | AW129170, AW151847, AI696186, AI590686, |
| | | | AI269580, AI573026, AI587606, AI254727, |
| | | | AI343582, AI468872, AW163823, AW089327, |
| | | | AI698427, W46547, AI824746, AW079075, AI631212, |
| | | | AI433976, AI564749, AL110306, AW081255, |
| | | | AI922901, AW148716, AI627909, AI954075, |
| | | | AI873604, AA848053, AW406745, AI249962, |
| | | | AI801608, AI499621, AI697099, AI537076, |
| | | | AI929108, AL046463, AI758816, AI589668, |
| | | | AI336575, AI689579, AW268261, AI741926, |

AI400725, AI432790, AI863014, AI932794,
AW151681, AL031228, D84401, E12645, AF117221,
D82060, AL117578, AL137556, AL133014, A18777,
AL080074, AL122098, AL137558, AF012536, I48978,
A08916, I89947, AL080137, A08913, I89931,
A08912, A08910, E03348, I49625, E03349, A08909,
U42031, AL050138, S77771, AR038854, AL133645,
A08908, AL137300, X80340, X93495, AF067790,
AF119337, AF000145, I26207, D83989, U67958,
Y08769, AL122045, I66342, AF106657, AL133010,
U88966, AL080124, AF162270, AL137292, AL122111,
L30117, AL080127, AL137705, AB019565, AF017437,
AF065135, AF210052, AF205861, AF185576, I89934,
I89944, AF113689, E02253, AR059958, U96683,
X79812, AL137640, S68736, U80742, A12297,
X96540, A77033, A77035, S76508, AR000496,
D89079, U39656, I42402, E15569, AF032666,
AL137463, AL080060, AL137429, AL133067,
AR038969, AF132676, AF061836, AL137538,
AF090886, AL137712, AL137527, E02221, AF111112,
AL137526, X00861, I09360, AL133093, X87582,
E05822, AF215669, AL122106, X84990, AF017152,
AL133665, AF125949, A45787, AL133077, AL137658,
AF030513, AL137294, AF113691, AL110280, A18788,
A93016, AF078844, AF118070, A93350, Y14314,
AL080140, S79832, AF022363, AL122121, U72620,
X72889, A65341, J05032, AL133016, AL137273,
AL117432, AF104032, I48979, AF003737, X72387,
E04233, AL110221, AL117440, AL122118, AL049465,
AL137476, AL050277, AL133104, AF114170, A65340,
AL133558, Y11587, U00763, X62580, AL049382,
AL137574, U78525, AF090901, AL133072, AF113013,
AF008439, X81464, I41145, S61953, A21103,
A08911, AL080086, AF113019, AL049460, E15582,
AF028823, AF100931, AL122049, L19437, Y16645,
AF118064, AL137478, AL122050, AL080159,

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| | | | | AL133640, AL133098, X52128, AF159615, I17544, AL133557, AB007812, AL080158, X92070, U87620, S69510, AL133075, AF061795, AF151685, AF113676, AL096744, AJ003118, AF158248, U49434, AF061981, AL133568, AF146568, AL080148, AL133113, AL133565, E01614, E13364, AF106862, AF081197, AF081195, X53587, AC002467, X82434, A08907, AR019470, I33392, Z82022, AF176651, AF183393, AF153205, AF106697, A52563, AF139986, A08915, AF057300, AF057299, AL137283, AL117585, Y10080, AR068751, S75997, AR029490, Z72491, AL133081, AL049452, AL117460, L31396, I80064, AL137521, L31397, S78214, M92439, A15345, AL049464, AL117648, AF090934, AF118094, AL137557, U95114, AL110196, AL049466, AF118090, AL049314, AL080154, I03321, U58996, E06743, A90832 |
| 1703 | HHPEK59 | 877009 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1606 of SEQ ID NO:1703, b is an integer of 15 to 1620, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1703, and where b is greater than or equal to a + 14. | AA149062, W55857, AI654104, N91520, AA398769, AL041623, AA149063, AA307763, AW450873, AI082461, AA709060, W06955, AI079909, AI920841, AA292830, AI268616, AA191706, AA010085, R07052, Z44437, T87013, T12757, Z40368, AA844584, AI955471, W55858, AW135814, T52489, N48933, T56321, N46430, AA864954, AI274165, AF027218, AF027219, AF155101 |
| 1704 | HKCTB07 | 877010 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 391 of SEQ ID NO:1704, b is an integer of 15 to 405, where both a and b | AF105020 |

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|---|---|---|---|---|
| 1705 | HFPIZ22 | 877011 | correspond to the positions of nucleotide residues shown in SEQ ID NO:1704, and where b is greater than or equal to a + 14. | |
| | | | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1578 of SEQ ID NO:1705, b is an integer of 15 to 1592, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1705, and where b is greater than or equal to a + 14. | AI458123, AA770557, AW299665, AW236534,<br>AI952929, AI340145, AI339835, AI650682,<br>AI472033, AA256229, AI268229, AA678840,<br>AW190757, AI075831, AI631649, AL138340,<br>AW080424, AA293773, AI373728, AA704702,<br>AA677322, AI033016, AW204318, AA848089,<br>AI891160, AA399568, AA227660, AI001981, N24286,<br>AA747722, AI537348, AW025794, AA218733,<br>AI865908, H98718, H64686, R38180, R17022,<br>N70123, AI493281, AW007482, H70397, AW134908,<br>AA334373, W04161, R09968, AA394090, R16715,<br>T77116, W01375, AI690748, AW169604, AI624293,<br>AI267162, AI245731, AI273189, AI627988,<br>AI698391, AI368579, AI969655, AW149925,<br>AL046835, AI690687, AI524654, AI289310,<br>AI868204, AW051088, AI869377, AI678446,<br>AI613038, AI590043, AI469587, AA464646,<br>AI589428, AI590830, AI863382, AI677797,<br>AI621341, AW149076, AI536574, AI538850,<br>AI921254, AI927233, AI568592, AI590423,<br>AW020397, AI583982, AI950892, AL045266,<br>AI335208, AI491775, AI865906, AI612913,<br>AI888208, AI670009, AI433157, AI702073,<br>AI890507, AI682968, AI401697, AI538564,<br>AI445611, AI679266, AI913312, AI686576,<br>AL037454, AI627893, AI586931, AI872545,<br>AL037582, AL037602, AI815232, AI281757,<br>AA766116, AI537677, AI434731, AI635634,<br>AI648454, AI634467, AL036802, AI540674,<br>AL039086, AL036673, AI471282, AW162194,<br>AI582932, AW148423, AI923989, AI583578,<br>AI866770, AL120300, AI890907, AI370623, |

AI633009, AI251221, AI590020, AL042944,
AI884318, AI933992, AI570056, AI699823,
AI523806, AI571439, AL046595, AI553645,
AI287449, AW020419, AI865900, AI435253,
AA420722, AI263312, AI536601, AW169671,
AI349772, AI225023, AI473208, AI632408,
AI355277, AL045413, R36271, AA502794, AI439745,
AW163834, AI270295, AW023338, AI340603,
AI801793, AW075382, AI570861, AL040241,
AI610402, AI635016, AI440399, AL046944,
AI312428, AI828412, AL046466, AI909641,
AI623662, AI859991, AI142101, AI345688,
AI912434, AI500061, AW102798, AI686817,
AA572758, AA641818, AI249389, AI826331,
AI633125, AL042981, AL134259, AI561356,
AL079963, AI915291, AW152182, AW166870, N33175,
AI565172, AI540676, AI800433, AI888501,
AL121365, AI889189, R32821, AI345745, AI538885,
AI539560, AI612750, AI440239, AL040011,
AI479292, AI866469, AI818574, AL036396,
AI500714, AI340519, AI432644, AW193894,
AI469532, AI872423, AI638644, AL119828,
AI623941, AI699020, AW302988, AI524179,
AW193635, AI521560, W46378, AW168788, W74529,
AI741158, AI686808, AL048323, AI802542,
AW161579, AL119748, AI559752, AL048340,
AI500514, AI918435, AW238688, AI241741,
AW089272, AI684244, AI358701, AI306610,
AI590227, AF007128, AC005182, AL035458,
AC006336, AJ001388, AF032666, AF097996, I48978,
A65341, AL122110, AJ005690, I89947, AF140224,
AL122093, L31396, AJ012755, L31397, I48979,
AL117587, AF047716, AL137558, S78214, AR038854,
A07588, A77033, A77035, AL050108, AL050138,
AF199027, AL117435, A08916, A08910, AL035407,
AF200464, U72620, AL133557, AP000208, AF017437,

Y16645, L40363, AL049423, AP000247, AL080148,
AL049452, A08909, A08913, S68736, A15345,
AL122050, AL050278, AC007114, AF067728, E03671,
AL049382, AL117460, I66342, Z97214, AF113699,
AL096744, AL133565, AF104032, AF091084, X67813,
AL049300, A65340, AL137478, S79832, AL078630,
AL133067, AL133640, AL137459, AF090903,
AF177401, AL133560, U67958, AL080159, AF022363,
AL133113, AL110280, U42766, AL049283, AF109906,
AL110225, AR034821, X96540, AL136884, AL137530,
X89102, AL117416, AL050149, AF061981, M92439,
A58524, A58523, E02349, Y09972, A08912,
AF090896, AL137294, AL050393, A18777, I89931,
Y11254, AJ000937, AL110221, AL117457, AL050116,
AL049339, AF158248, AF090901, A03736, AF115410,
AR011880, AL133637, X79812, AL050024, Z13966,
AF061795, AF151685, AL137533, AL137550,
AF061573, AL137292, S76508, S61953, I49625,
AF113690, A57389, AL133080, AF087943, AF079763,
AL122098, AL133075, E01614, E13364, AL137271,
AL137480, AF102578, AF026816, AL050277, A08908,
AF118070, U58996, Z82022, AF100931, Y10823,
AL137557, D89079, AJ238278, E07108, AF090900,
I32738, AL133665, U88966, AP000130, I89944,
AR020905, AF113694, AF113677, S63521, AF118064,
AL049938, I33392, AF183393, AL080162, AL023657,
AL117394, AL080126, AL133619, A21103, X82434,
S36676, A93350, Y14314, AF057300, AF057299,
AC006112, I89934, AF090934, Y11587, AF106827,
X84990, AF081197, AF081195, AF118094, AL133016,
AL050155, U35846, AL137479, AL080124, U75932,
AB019565, S75997, AF113019, AL110196, AF107847,
X70685, AF115392, AF125948, AF125949, A45787,
AL080140, AL050146, AL133031, U78525, AF079765,
AF106862, X98834, D83032, AF126247, AF082526,
A76335

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| 1706 | HE8FB89 | 877012 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1428 of SEQ ID NO:1706, b is an integer of 15 to 1442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1706, and where b is greater than or equal to a + 14. | AI797081, AI669186, AI922708, AI400881, AA156853, AA062971, AW027338, AA431360, AI091639, AI627975, AI358574, AI202381, AA255522, AW086138, AA890259, AA806628, AA255565, AI367251, AA088310, AA765366, D63210, AI796381, H48099, H48098, AA720634, AL079437, AI758780, AI911927, AW022560, AA256707, AA737329, AA255588, AA877667, AA455364, AA813874 |
| 1707 | HCRND67 | 877013 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 794 of SEQ ID NO:1707, b is an integer of 15 to 808, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1707, and where b is greater than or equal to a + 14. | AA648907, AW001743, N40531, AI978754, AI446119, AI949312, AA252030, AA521447, AW024768, AI039260, AI962419, AI935656, AI416968, AI361764, AA860961, AI127900, AI936802, AI761487, AI580311, AI917267, AW024010, AI189597, AI864624, AA131263, AI351462, AI422420, AA904280, AI636058, AA931114, AA648498, AI767707, AW262532, AA191430, AI312828, AA860568, N46577, AA804488, AI680207, AA628794, N45139, AI694810, AA574232, AI522273, AI362932, N46583, AA364681, H91961, N40538, W22178, H99173, W22807, AA829581, AL046944, R79750, AC005325 |
| 1708 | HSPAI01 | 877014 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1041 of SEQ ID NO:1708, b is an integer of 15 to 1055, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1708, and where b is greater | AI378753, N35689, AW207088, AW151846, W49562, AI457284, N35406, W49563, AA334557, R58493, H24416, AI678442, AI791556, AA242954, R30676, AW022665, R47185, AL031652, L41349, L13935, L13936, L13937, L13938, AL117633, L15556, L18962, AF027571, AF031370, U57836 |

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|---|---|---|---|---|
| | | | than or equal to a + 14. | |
| 1709 | HOSXA83 | 877015 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1030 of SEQ ID NO:1709, b is an integer of 15 to 1044, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1709, and where b is greater than or equal to a + 14. | AA100220, AI167817, AA113216, AA324768, AA085997, AA149087, AI493421, AA629345, AA625949, AA149086, AA669959, AA431870, AI866312, Z28464, AA172371, AW173386, AI183937, AA431871, AA262957, AL036908, AI271960, AA085643 |
| 1710 | HAVTF85 | 877018 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 881 of SEQ ID NO:1710, b is an integer of 15 to 895, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1710, and where b is greater than or equal to a + 14. | AL037339, AA811927, AI720889, AA926797, AL039480, AA442561, AA858311, AI566218, AA846839, AI583216, AI635043, AA699924, AI192601, W69310, AI262270, AA526986, AI304664, AI310345, W69206, AI147372, AA973817, AI431515, AI818856, AI033497, AA983644, AW129307, AA701244, AA926804, AA630163, AI289870, AI061307, AA554361, AI566853, AI262295, AA031671, AI092076, AI280857, W73760, AW074354, AI924486, AI367351, AA304674, N75814, AA678529, AA130266, AA808417, W68377, N50405, AA831659, AA907418, N50457, T89689, N75514, AI244342, AI445788, AA365398, R55802, AA853796, AI632051, AA291486, R28626, W68336, H29812, R52537, R42369, H02369, F02630, AI686839, AA188995, F03753, AW236685, F04385, W73593, AA728837, C02595, AA653337, AA883260, R43407, T29673, AI471055, AA190445, AI567050, AA031670, AI246665, AI658622, R33489, AI932403, AL041862, AI452556, AI923989, AW188793, AL042745, AW071349, AL046356, AI554245, AL119748, AL079977, AI815232, AL046926, AL040243, AI434223, AL047675, AI866573, AL042628, |

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|---|---|---|---|---|---|
| AI933785, AI433976, AL045500, AI433157, | | | | | |
| AL042744, AW151136, AL047092, AI539771, | | | | | |
| AI500523, AI538716, AI537677, AI500659, | | | | | |
| AI554821, AI801325, AI582932, AI284517, | | | | | |
| AI500706, AI445237, AI491776, AW151138, | | | | | |
| AI521560, AI889189, AI500662, AI284509, | | | | | |
| AI889168, AI633493, AI434256, AI888661, | | | | | |
| AI284513, AI569579, AI888118, AI440252, | | | | | |
| AW129106, AL042787, AL045266, AL042551, | | | | | |
| AI432666, AW150578, AI800453, AW132001, | | | | | |
| AW071417, AI620284, AI800433, AL042627, | | | | | |
| AI866510, AL045620, AI826225, AI805769, | | | | | |
| AI275175, AW020693, AI537515, AW301505, | | | | | |
| AL049085, AI499463, AI610362, AI491852, | | | | | |
| AI889148, AI889147, AI432656, AI812015, | | | | | |
| AW082113, AI440239, AL042538, AI627893, | | | | | |
| AI538342, AL045891, AL045774, AI269862, | | | | | |
| AW196105, AI251221, AW268122, AI436429, | | | | | |
| AI537273, AI436456, AW081255, AW080379, | | | | | |
| AI963846, AI520702, AI567940, AI817244, | | | | | |
| AL039276, AI612913, AI805385, AI811785, | | | | | |
| AI494201, AI285826, AI863014, AI521594, | | | | | |
| AI499512, AI815855, AI636372, AI889133, | | | | | |
| AW005858, AI630252, AI567993, AL047422, | | | | | |
| AW088899, AI133559, AL045163, AL037454, | | | | | |
| AI344928, N80094, AI610429, AW162071, AI539632, | | | | | |
| AI564765, AI610402, AI539847, AL079963, | | | | | |
| AI567935, AI349772, AI364788, AL041150, | | | | | |
| AI698401, AW079572, AW161579, AI539028, | | | | | |
| AL036638, AA225339, AW083804, AI049851, | | | | | |
| AW169671, AI686906, AI866608, AI537617, | | | | | |
| AL036736, AI284131, AL036802, AI783504, | | | | | |
| AW190042, AI648663, AL121286, AW073994, | | | | | |
| AI889953, AI345608, AL048377, AI680162, | | | | | |
| AI862144, AL040097, AI567360, AA572758, | | | | | |
| AW088134, AI539153, AI698391, AI612885, | | | | | |

AI539238, I48979, AL110225, AL122049, I48978,
AL122098, I89947, AL133072, AL117460, U42766,
AL133016, A12297, AL137271, A08916, AL122050,
A08913, A08910, A08909, AF078844, I33392,
AF111851, AL110221, AF118064, AL050024,
AF067728, AL049283, AL133080, I89931, AL050277,
AF017152, S68736, AF146568, AL050138, I49625,
AF177401, I03321, AL049430, AL117585, AF090896,
AL122093, AL122110, Y11587, AF113689, AL137557,
AL137560, AF113013, AL122123, AF113694,
AL133560, AB019565, U91329, Y11254, AL133640,
AL117457, AL133077, AL080124, AL133606,
AF113677, AL137550, AL137459, E07108, AL050108,
X82434, E03348, AL049938, U80742, Y16645,
AJ000937, AL049314, S78214, AL133075, AL096744,
AL117435, AL133565, AF079765, U00763, E07361,
AF113690, AF090943, AF118070, AF113699,
AL137648, AF113691, AL133557, AL050116,
AF125949, AL137527, AF106862, X98834, AF113019,
A93016, AF090934, AF158248, AL122121, AF091084,
AL117583, AF183393, AL133568, AL117394,
AL133113, I26207, U35846, AF118094, X84990,
AL080127, AL050393, X63574, AJ012755, X96540,
AL133104, AF097996, AF090903, AF113676,
AF090901, U72620, AL080060, X72889, AL133093,
AJ242859, AR059958, AL137538, AJ238278, I00734,
AF125948, AL080137, AF104032, AL049466,
AF017437, AL049452, AL110196, A77033, A77035,
X70685, E02349, E15569, A93350, AF090900,
E00617, E00717, E00778, AL050146, AL137463,
A65341, AF087943, AL049382, I42402, Z82022,
AF026124, AL133014, X65873, A03736, AL137521,
A58524, A58523, AL050149, AF111112, AR011880,
I09360, AL050172, AL049464, L31396, L31397,
AF061943, X93495, A08912, AL137476, AL049300,
U67958, AF119337, AL137283, AL080159, AL110197,

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|---|---|---|---|---|
| | | | | AL137533, I09499, AF026816, AR038969, AL137526, AR000496, U39656, L13616, E08263, E08264, S61953, A90832, Y09972, U49908, AF003737, E04233, Y14314, AL110280, AL137556, AF153205, AF185576, AL137523, A07647, AF057300, AF008439, AF057299, A45787, AL080148, AJ006417, AR038854, AL133067, U58996, E02221, AL137480, Z72491, AL080074, X53587, E05822, AL133098, AF079763, E08631, AF061573, AF162270, L30117, M30514, AL117440, AL137273, Y07905, AL137292, AL137478, I17767, U96683, X83508, AL023657, AF111849, U68387, AR013797, X87582, AF106827, AL137294, AL133049, AL117432, I41145, X62580, AL133081, L05186, E12747, AL050092, AL110222, AR020905, AF132676, AF061836, X52128, U78525, AL137488 |
| 1711 | HTEPJ45 | 877019 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1600 of SEQ ID NO:1711, b is an integer of 15 to 1614, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1711, and where b is greater than or equal to a + 14. | AW135340, AI908516, AW003833, AI692953, AI693316, AW242982, AI194008, AI672260, AI497695, AW242975, N63914, AW242988, AI341520, AI972371, AI373504, AA705554, AI633950, AI276537, AA699365, AI989919, AW204605, H11413, W00441, AA279329, AI656862, AI961706, AA455604, F28946, AI678125, W20411, N98286, H08430, AA455968, W32633, AA528280, AI702940, H85245, T95059, H08429, F13395, T81953, F37163, AA215977, AA301556, T95155, F11101, T77655, H11389, AA279895, AW196491, AI915713, N80005, AA806720, AI802542, AI624279, AW198090, AI584140, AI890223, AI612913, AI648509, AI439717, AI572676, AI702406, AI497733, AW104724, AI886124, AL121328, AI254731, AI224027, AW087445, AW168795, AI934011, AI539687, AI537677, AW262565, AI569616, AI801766, AI610402, AW071349, AI811344, AI520785, AI680498, AI591316, AI554818, AI468872, AA225339, AI269205, AI566670, AI824746, AL079963, AI433976, AI269862, |

AL042628, AI636588, AI619502, AW129659,
AI554427, AW132056, AI567846, AI440239,
AL119863, AL040243, AI491852, AI539771,
AI500077, AI637584, AI364788, AI249257,
AI559296, AI859511, AI873604, AI701074,
AI890833, AI926790, AW170635, AI564719,
AL045266, AL134830, AI677796, AW130776,
AI569583, AW026882, AI538085, AW149311,
AI433157, AI702073, AI284484, AI273048,
AI934036, AI679990, AI868831, AI950664,
AI475371, AI571909, AI247193, AI498067,
AI280747, AW023590, AW088903, AI633419,
AI280751, AI540832, AL045500, AL041150,
AW193000, AI587143, AI270055, AW090013,
AI627360, AI318280, AI633125, AW150578,
AI673785, AI439745, AI536638, AI590120,
AI274508, AW302988, AI863014, AL036361,
AI275175, AW051258, AI282504, AI362637,
AI537024, AI610362, AI274013, AI590118,
AI815855, AL046944, AI648663, AI620284,
AI568296, AI281837, AI475451, AW081036,
AI922901, AL043981, AI434223, AI097248,
AI702068, AI269696, AW301409, AI866608,
AI254042, AI284517, AI475394, AI862139,
AI687362, AI917055, AI500659, AI539808,
AW169653, AI476109, AL047763, AI590021,
AI801325, AI500523, AA807352, AI624206,
AL121270, AI270707, AA470491, AI857296,
AI500706, AL039276, AW169671, AI801152,
AI536685, AI491776, AI445237, AI349004,
AW151138, AI696612, AI828731, AI570989,
AI500662, AW274192, AI564247, AL110402,
AI499285, AL041573, AI889376, AI784252,
AW268220, AL043326, AI524671, AW008048,
AI921248, AI554344, AI955917, AI570909,
AI648454, AI572787, AI445025, AI433037,

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| | | | AL121463, AI884469, AI648684, AI612759, AI560099, AI064830, AA835801, AL043975, AI469532, AI500146, AI680165, AI573032, AI872711, AW148716, AF013168, D87683, AC002096, I89947, Y16645, AL122050, AL137550, I48979, AL133557, I48978, AL110221, AF090943, AF017437, AF111851, AL050393, AL117460, AL117435, AF090934, A08916, AL122123, Y11254, AL137459, X84990, A08913, AL049382, AF090900, AF090903, AF118070, AL133075, AF113677, AL080124, AF158248, AF113019, A65341, S68736, AL137527, I89931, AL117457, I49625, AL050138, AF113694, U42766, AF113690, AL133080, AL117585, AL050149, AF090901, A77033, A77035, AL049452, AL122093, X82434, AL137557, AL050116, AF146568, AF104032, S78214, AL110196, AJ000937, AF079765, AL049314, AF017152, AL096744, AL133016, AF078844, AL133606, E07361, AL133640, E02349, AF113676, AL080137, Z82022, AF125949, AF090896, X63574, Y11587, AF113013, L31396, L31397, AF091084, AF106862, AL050277, A08910, AF177401, AL122121, E03348, AF183393, AF125948, AL050108, AF118064, AF113691, AL049466, A93016, AL133560, AJ238278, AL050146, AL110225, AL137283, AF113699, AL117394, AL080060, AB019565, AL133565, AL049464, AF113689, AL133093, AR059958, AR011880, AJ242859, AL049300, AF097996, E07108, AL049938, AL117583, U91329, AF118094, X93495, A58524, A58523, I33392, A08909, AL122098, AL133113, AL050024, AL049430, AL122110, U00763, AL137271, AL137538, X70685, AL137648, I03321, X72889, AL137463, A08912, AL080127, A12297, U35846, AJ012755, U80742, AF000145, X96540, U72620, A03736, X65873, AF061943, AF067728, AF119337, AL049283, AL080159, AL133014, X98834, AF087943, AL133568, AL133072, AF111112, |

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| | | | | AL122049, AL137521, I09360, AR000496, U39656, I42402, E08263, E08264, AL122111, AL133067, U67958, AL110197, E15569, A93350, AL137533, AL137523, AF057300, AF057299, AF026124, AF153205, U58996, AF079763, AL133077, E05822, AL137560, AL137480, AR013797, Y09972, AF026816, I26207, AL050172, S61953, AL137556, AL137526, I00734, E00617, E00717, E00778, U68387, E02221, I66342, A08911, Z37987, AC006371, Y14314, AR038969, A07647, AL110280, AL137429, AL080074, Z72491, AL137292, AL137476, Y10655, AF003737, U78525, AL080148, U96683, AL133104, AF100931, E06743, AF106827, AF159615, AF185576, X87582, I17767, A45787, AF061981, AL133558, AF111849, AL137488, AF162270, E08631, AL122118, Y07905, AF061573, AL133665, M30514, AL117440, AR038854, AC005992, AL122045, AF095901, AJ006417, E04233, AF118090, AL133098, AF081197, AR054984, AL133081, I09499, AL110222, L30117 |
| 1712 | HOSBX95 | 877020 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 516 of SEQ ID NO:1712, b is an integer of 15 to 530, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1712, and where b is greater than or equal to a + 14. | AW393918, N56766 |
| 1713 | HSIFP30 | 877022 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AI678780, T98311, R10554, AF209389 |

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| | | | is any integer between 1 to 714 of SEQ ID NO:1713, b is an integer of 15 to 728, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1713, and where b is greater than or equal to a + 14. | |
| 1714 | HE9HL05 | 877023 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1581 of SEQ ID NO:1714, b is an integer of 15 to 1595, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1714, and where b is greater than or equal to a + 14. | AI114634, AI310154, N48237, AI040784, R96774, R91077, AA333785, AA334375, T82801, AA678184, T95816, AI678780, T96750, R91078, AA344220, R09895, T74622, T68354, N49552, AA332963, AI023306, T71511, T95519, R92515, T60367, AI791396, AW172723, AI815239, AI362332, AI249946, AA665587, AW078729, AI805769, AW265004, H42825, AI669639, AI608802, AW074274, AI702540, AI499104, AI758816, AW263799, AI886163, AI476147, AI677797, AW026633, AI816956, AI677647, AI911645, AI961622, AI250175, AA614660, AI244380, AI446124, AI492528, AI869750, AI921609, AI699154, AI270039, AI040725, AA810969, AW189003, AW087898, AI446564, AI419311, AI612723, AI627390, AI364220, AI572418, AW410769, AI628855, AI446110, AI872810, AI471424, AW150505, AI570195, AW150351, AW118457, AI694855, AI419417, AI369029, AI474427, AI568870, AW079656, AA088789, AI521128, AW168031, AI660848, AA910956, AI701948, AI589433, AI805385, AI591381, AI333552, AW263697, AI679622, AI683465, AI610645, AI952302, AI625231, AI696626, AI890714, AI347569, AI671638, AI560514, AW193020, AF209389, J04813, M18907, X12387, M14096, E02555, D31921, D00408, E02532, J04449, S53047, X90579, M13785, AF182273, L26985, X54915, U59378, AF109068, Y10214, M73992, Y11995, |

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| | | | | AF204959, AF185589, D11131, S74699, S74700, L35912, I12087, AF067420, A94751, U77594, AL137561, AC004455, AF109906, U92068, A69673, A69681, U89906, AF106934, AF059612, AL133645, AR068182, AL137659, AC005284, AC007370 |
| 1715 | HWLMB91 | 877024 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 577 of SEQ ID NO:1715, b is an integer of 15 to 591, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1715, and where b is greater than or equal to a + 14. | AI188270, AI742085, AI167453, AW204725, R53616, R48325, AA347732, AW341017, AA579588, F35057, AA768452 |
| 1716 | HOVEE11 | 877025 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1960 of SEQ ID NO:1716, b is an integer of 15 to 1974, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1716, and where b is greater than or equal to a + 14. | AI762892, AI760766, AI174624, AW081757, AI824008, W94214, AI189223, AA447177, AI927354, AA443809, AI307319, AI299589, AI372949, N30895, W81043, AI934550, AA605197, AW390982, AI168782, W81079, N56763, AW374587, W72920, AI538814, AW079505, AW137328, AA629096, AI699821, AI767317 |
| 1717 | HCYBN69 | 877026 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 545 of SEQ ID NO:1717, b is an integer of | AA127756, AA769607, AA305740, AW403303, AA361909, D81026, D81030, C14389, D80522, C15076, D80133, D80166, D80193, D80212, D59502, D80195, D80022, D80164, AW377671, D80391, C14331, D59787, D59619, D80038, D80210, D80196, D58283, D80269, D80240, D59467, D59275, D59859, D80227, D59927, D80219, D51423, D51799, D80253, |

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| | | 15 to 559, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1717, and where b is greater than or equal to a + 14. | D80366, D80043, D57483, D80188, D50979, D80045, D80248, D80378, D59889, D80024, D80258, AA305409, D59610, D50995, C14429, D59627, D80251, D80241, D80268, AA305578, D51060, D59373, D51022, C06015, AA514188, C75259, AW177440, D80014, D80439, D80302, C14014, AW360811, AW178893, AA514186, D80247, T03269, D80132, AW375405, T02974, D80157, AW179328, D51213, D59503, AW178983, AW378532, AW366296, C14227, C14077, AW360844, D58101, AW360817, AW375406, AW377676, D51103, AW378534, AW179332, AW377672, AW177501, AW179023, C05695, AW178905, AW177511, AW137066, AW178906, D80064, D81111, AW178762, D80134, D51250, D51759, AW176467, AW352171, AW352170, D58253, AW360834, AW177731, AW178775, AW178907, AW378528, AW179019, AW179024, AW369651, AW367967, AW352158, AW177505, AW360841, AW352117, AI243347, AW179020, AI239543, AW178909, AW177456, AW179329, AW178980, AW178914, AW177733, AW178908, AW178754, AW179018, F13647, T48593, C14407, D59653, AW179004, AW179012, AW178774, AW378525, AW352163, AI910186, AW352120, AW352174, AA805151, C14298, D45260, D80168, AW179009, AI905856, AW178911, AW378543, AW177722, AW177728, C03092, D58246, AW378540, AW378539, AW367950, AI557751, AI525923, AA809122, H67854, T11417, H67866, AW178781, AW177508, AI557774, T03116, D59695, D59317, D80949, AI525917, Z21582, AI535850, AW178986, AW177497, D45273, D52291, AW177723, C14344, AI535686, D59474, AW179011, D59551, C14973, AA514184, AW378533, AA285331, D51221, T03048, AI525920, AW177734, D60010, D60214, AI525227, D51097, D51079, C14957, C14046, AI525925, AI525242, AI525235, AI525222, AI525912, |

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| | | | | AI525215, AW378542, C13958, C16955, C05763, Z33452, AC005035, AB013385, AL137755, AF096300, AB014587, U88984, A84916, AR018138, AJ132110, A62300, A62298, AF058696, AB028859, AR008278, A82595, A67220, AR060385, AB002449, X67155, Y17188, D26022, A25909, Y12724, D89785, A78862, D34614, A94995, D88547, AR008443, I50126, I50132, I50128, I50133, I82448, X82626, AR016808, AR066488, AR016514, AR060138, A45456, I14842, A26615, AR052274, AR038669, AR025207, Y09669, A43192, A43190, AR066487, A30438, AR054175, D50010, AR066490, Y17187, I18367, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, AB012117, D13509, X68127, I79511, A64136, A68321, AR060133, A85396, D88507, AR066482, A44171, A85477, I19525, A86792, X93549, U79457, AF123263, X72378, AR032065, AR008382 |
| 1718 | HWLWN24 | 877027 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 820 of SEQ ID NO:1718, b is an integer of 15 to 834, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1718, and where b is greater than or equal to a + 14. | AI301935, AI760340, AI921888, N30193, AA748734, AI743279, AI284147, AA648777, AW304324, AI916877, AA732729, AA971316, AI218098, AA993916, AA504339, R66801, AA648769, R67901, N40188, R27573, R27672, AI802542, AW403717, AI440239, AI919345, AI612913, AI619502, AI564719, AL048656, AL040243, AW026882, AI433157, AL047763, AI270055, AI499393, AI249497, AI445025, AL045500, AI475371, AI811344, AI539771, AI635942, AI912288, AI934011, AI560099, AW104724, AW071417, AW129659, AI805638, AI521012, AI702433, AW103371, AL119863, AI889376, AI648663, AI868831, AI569583, AW169653, AW150578, AL047042, AI884469, AI637584, AI499131, AI625079, AW082040, AL119791, AI497733, AI635461, AI318280, AI445432, AI340627, AI536685, AI587114, AL043293, AI954183, |

AI687728, AW302988, AI815855, AI524671,
AI590021, AI207510, AI539780, AI610645,
AI620284, AI818683, AI273142, AW169671,
AI687127, AW301409, AI573032, AI687362,
AW090013, AI866608, AL036361, AI682971,
AI633419, AI921248, AI469532, AI498579,
AI866002, AI433976, AI828731, AW166970,
AI580190, AI432969, AW102785, AI612759,
AL049085, AI696398, AI571909, AI677796,
AI799470, AI909697, AL045163, AI636719,
AI539153, AA640779, AW238730, AI439745,
AI471712, AL121463, AA572758, AI702073,
AL036802, AI926790, AI591316, AI952360,
AW268220, AI654750, AW020693, AI340603,
AI697137, AI537677, AI922901, AI349004,
AI312428, AW075667, AI815232, AI269696,
AI888501, AI812107, AI800453, AI340582,
AI800433, Z99428, AI888953, AI567128, AW075413,
AI570781, AI567993, AI349645, AW074869,
AI590120, AW149227, AL036274, AI345131,
AW087534, AI309401, AW103893, AI561299,
AL036403, AW148408, AI343112, AL121014,
AI284517, AW071349, AI207572, AL121270,
AW301300, AI349598, AL036664, AW075207,
AI636456, AI648684, AW151136, AI345735,
AI554427, AL036396, AI536638, AI349933,
AI250293, AI524526, AL047041, AL038565,
AL036980, AI445165, AI348897, AA427700,
AW148716, AI702406, AI174394, AL041573,
AI313320, AL038605, AI610690, AI500077,
AW302992, AW089572, AI609594, AI862144,
AI312146, AI312339, AI284131, AI269862,
AI366549, AW086113, AI869367, AI520785,
AI887396, AI610307, AW268251, AW268253,
AI887659, AL036146, AW301505, AI753683,
AA835801, AL045266, AL079963, AI434281,

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| | | | AI636585, AI439762, AL036631, AI538716,<br>AI934035, AI799199, AI537303, AI800185,<br>AL041772, AI783504, AL036214, AW149311,<br>AW148320, AW087445, AA470491, AI828682,<br>AI349772, AI224992, AW088903, AA225339,<br>AI909641, AI281773, AL041150, AI690312,<br>AW022682, AI567351, AW074993, AW302965,<br>AI784252, AC006313, I48979, I89947, S68736,<br>AF125948, AF104032, AF090934, U42766, AC006222,<br>AL133640, AF017152, AF090903, AL117457, A08916,<br>AL050149, AF090943, AL117460, AF090901,<br>AF090900, AL050116, I48978, X84990, AL133606,<br>AF118070, AF113013, S78214, A08913, I89931,<br>AL137459, AL122093, AL050277, Z82250, AF078844,<br>AL110221, Y16645, AF118064, AL122050, AF177401,<br>AF113694, AL049452, AL133557, AF113690,<br>AF113019, AF113677, Y11587, AL080137, AL122123,<br>AF113699, AL133016, E03348, AF113689, AL049430,<br>AR059958, AF158248, AF146568, AC006482,<br>AL122121, AL137557, I49625, AL133075, Y11254,<br>AL050108, AL110196, AL049314, AJ000937,<br>AL133080, AF125949, AL050393, AL133565, X63574,<br>AF106862, AL080060, A08910, A93016, AL049938,<br>AL050024, E04233, X70685, AF113691, AL096744,<br>AL133560, AL050146, AL137527, AR011880,<br>AL137283, AJ242859, AL080124, AF090896,<br>AL049382, AF111851, AF113676, AL117394,<br>AB019565, AL049466, AL133093, A65341, AJ238278,<br>U00763, AF091084, I03321, AF097996, AL049464,<br>A08909, X96540, AC006501, L31396, AL110225,<br>L31397, AL122110, AL117583, X72889, E07361,<br>X82434, AL117585, AL133113, X65873, AL137521,<br>AF017437, AL137550, AL050138, AL117435,<br>AF079765, U91329, A58524, A58523, AL049283,<br>E07108, AF087943, E02349 | |
| 1719 | HOSOZ37 | 877029 | Preferably excluded from the | AA452295, AI700341, AA039713, AW274555, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 792 of SEQ ID NO:1719, b is an integer of 15 to 806, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1719, and where b is greater than or equal to a + 14. | AW118151, AI684403, AI040232, AI435785, AW023346, AA039712, AI932286, AI089086, AW021748, AA582100, AW020316, AW300014, AA886794, AI492312, AI492311, AL034350 |
| 1720 | HCROD37 | 877030 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 491 of SEQ ID NO:1720, b is an integer of 15 to 505, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1720, and where b is greater than or equal to a + 14. | |
| 1721 | H2LAF20 | 877031 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 665 of SEQ ID NO:1721, b is an integer of 15 to 679, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1721, and where b is greater than or equal to a + 14. | AI474074, AA313945, AW382674, AI475856, D81026, D80522, D80166, D59619, D80210, D80240, D80133, C14389, D81030, D80219, D51423, AA305409, D80195, D80212, D59859, AW377671, D51799, D80253, D80164, D80251, D58283, D80022, D80248, D50979, D80193, D80188, C14331, D80391, D59787, D59502, D59467, D59275, D80043, D80227, D59610, D57483, D80366, D80196, D59889, C15076, D80024, D80038, D59927, AA305578, D51060, D80269, D51022, D50995, AA514186, D80241, D80045, D80378, AW177440, C14014, AA514188, C14429, AW178893, AW360811, D59373, T03269, T11417, C75259, AW179328, C14077, AW375405, C05695, |

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| | | | D80132, AW378532, D80268, AW366296, AW360844, AW360817, AW177501, AW375406, AW177511, D80439, AW378534, D80302, AW179332, AW377672, AW179023, AW178905, D80134, AW178762, D58253, D51250, AW178980, AW178775, AW352171, AW377676, AW352170, AW177731, D80247, AW178907, AW369651, AW179019, AW179024, D59627, D80258, AW352158, AW177505, AW352117, AW178906, AW176467, AW179020, AW360841, C06015, AW178909, AW177456, AW179329, AI910186, AW177733, AW378528, AW178908, AW178754, AW179018, AW352174, F13647, D80157, AW179004, D58246, D58101, AW179012, AI738909, AW178914, D80014, AW378525, D51103, AW367967, D51759, D51213, AW378543, D59503, AW177728, AI905856, AW179009, AW178774, AW178911, AW177722, AW352163, D80064, D59653, Z21582, AW360834, AW178983, D81111, AW178781, T48593, AW378540, D45260, C14227, AW177723, AW352120, T02974, C14975, H67854, H67866, AI535850, AA285331, AW378533, AW367950, D51097, C14298, C03092, AA809122, AW177508, AI525923, C14407, T03116, D51221, AI525917, D80228, AW178986, AW177497, D59317, AI557774, D59474, D45273, C14973, AW177734, AI557751, AI525920, C14344, D50981, AA514184, AI525215, AW378539, AW270229, D60010, C14957, D80168, AI535686, AI525235, D59551, D60214, AI525227, C14046, D80949, AI525912, T03048, D59695, AI525222, AI525242, D52291, AW378542, AI525925, D51079, D51053, C16955, AI535961, C05763, Z33452, H67858, Z30160, AF067806, AF056490, AR008278, A62298, AR018138, A84916, A62300, AJ132110, AF058696, AB028859, X67155, Y17188, D26022, A25909, Y12724, A67220, D89785, A78862, D34614, A82595, D88547, AR060385, A94995, X82626, AR008443, AB002449, AR025207, I50126, I50132, |
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| | | | | I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, Y09669, A43192, A43190, AR038669, AR066490, A30438, AR066487, AR016691, AR016690, U46128, AB012117, I18367, I14842, AR054175, D50010, Y17187, X68127, AR008277, AR008281, A63261, A85396, D88507, AR066482, A44171, A85477, AR008408, I19525, A86792, AR062872, A70867, X93549, D13509, A64136, A68321, AR060133, I79511, U79457, AF123263, AR032065, AR008382 |
| 1722 | HCROD15 | 877032 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 605 of SEQ ID NO:1722, b is an integer of 15 to 619, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1722, and where b is greater than or equal to a + 14. | |
| 1723 | HS2SG18 | 877034 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 838 of SEQ ID NO:1723, b is an integer of 15 to 852, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1723, and where b is greater than or equal to a + 14. | AA307890 |
| 1724 | HMCHW12 | 877037 | Preferably excluded from the present invention are one or more | AA633529, AA307645, AL137945, R78416, AA143592, AA699829, AA130430, R23973, AA204937, T58303, |

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| | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 683 of SEQ ID NO:1724, b is an integer of 15 to 697, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1724, and where b is greater than or equal to a + 14. | AA205080, AI581369, AA130456, H03662, R77222, C05254, H75671, H70965, AA134504, AI733734, AA133084, AI733757, AA088546, AA553526, AA843823, AW392930, AI522161, AA055592, R66492, R31147, AI820789, AI732411, T92637, H39731, W38856, AI499378, AA151971, AI940502, AA085899, AA224498, AA479719, AA100721, AP000365, M27826, AL050348, AL035419, AC005276, AL121782, AL080316, AC007617, AC010168, AC008069, AC000064, AC002984, AB020874, AC007401, AC007566, AC005150, AC005145, AC007022, AL035067, AC000114, AC007685, AC005549, AC007207, AC006146, AL031767, AC008072, AC002530, AF130342, AL035408, AC002066, AC007681, AC008134, Z92543, AJ133269, AC005386, AL049546, AC004998, D11078, AC004986, AL035698, AC006502, AL031256, AC004823, AC007876, AC005090, AC004514, AC005837, AC003013, AL009031, AC007463, AC009946, AC006364, AC007250, AC005410, AC004875, AL109620, M18048, Z82210, AL139054, AL022068, AL121718, AC007381, AL049872, AF118808, AC005699, AL031671, AL023877, AC005036, AL009050, AC003009, AL034409, AC004925, AC007870, AC004768, AC004456, AL133224, AF146191, AF212831, AC005307, AF053936, Z71183, AC012380, AC007486, AC007537, AC004072, AL133321, AC003078, AC007450, AB020871, AL021327, U80460, AC008062, AC007106, AL021940, AF070717, AL024495, AC004103, AC005234, AC004025, AC004817, Z78021, AF049895, AC006382, Z95327, AL031073, AL117327, AC005392, AC007001, AL035610, AC002384, U95626, AC007785, Z99495, AL109809, AF149773, AF068862, AC005102, AC005154, AL050339, AC004835, AL034452, AC005531, AC005576, AC004915, AL109967, AC004617, AP000230, AP000144, |

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| | | | | AL022318, AC004858, AC007276, AF109907, AC004510, AC011604, AC005723, AL079352, AC002326, AL132987, AF011889, AL049544, AP000013, AP000155, AL050325, AC007182, AL035690, AC006582, AC004924, AC007447, Z76735, AC006459, D87055, AC004472, AP000501, AC005002, AF205592, AC005686, AL133371, AF026248, AF026254, AF026249, AL022330, AC004032, AF108842, AF110315, AF108841, AF108843, AC007280, Z83818, AL034350, D10083, AC003007, AC005632, AF064074, AF064073, AC007556, AC004889 |
| 1725 | HWLVS52 | 877043 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 454 of SEQ ID NO:1725, b is an integer of 15 to 468, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1725, and where b is greater than or equal to a + 14. | |
| 1726 | HCRPG56 | 877044 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 468 of SEQ ID NO:1726, b is an integer of 15 to 482, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1726, and where b is greater than or equal to a + 14. | N23653, AI608674, AC006432, AC009533, AC008013 |
| 1727 | HTAHC75 | 877046 | Preferably excluded from the | AI916318, AI698170, AI346506, AA481006, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1883 of SEQ ID NO:1727, b is an integer of 15 to 1897, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1727, and where b is greater than or equal to a + 14. | AW006462, AI808371, AI492123, AI860659, AW083792, AI298294, AI377296, AI299866, AI143985, AI832385, T66213, AA315944, AA774467, AA481745, AA745359, N78840, AA744416, AA035644, AW236811, AI693629, AI299645, R54532, AA987358, AA745453, AW136153, AI889513, AI917565, H28998, AI459849, R55684, R99148, AA975345, R45317, H08045, AA992883, AI122963, AA987223, H18288, AI681364, R55685, F09827, H46943, AW418590, R88200, AI745480, H48447, AA744390, Z45158, AW192055, AA972155, R14680, F04052, AA827984, F12197, H26802, T29943, AA295772, R38093, AI290682, AL047550, T07816, AA355247, H07939, H69808, R38173, T85773, R54435, AA508768, AI382544, R20497, AI984917, AW294367, AA090326, H51338, F11088, AA916514, T77104, R42403, N84369, T66146, AI910252, AI127423, AW131840, AA702500, AA300937, AF007155, AA508781 |
| 1728 | HCRPH26 | 877047 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 509 of SEQ ID NO:1728, b is an integer of 15 to 523, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1728, and where b is greater than or equal to a + 14. | AF118076 |
| 1729 | HWLWL67 | 877049 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 204 of | AI375746, AI620255, AI739424, AW008095, N64373, AA628778, AI827544, AI246150, AA977500, AA779757, AI216037, AA724806, AI143969, AI740635, AA953515, AA938880, AA421570, AA971965, AA010881, AI352432, AA410372, AW082274, AA129683, AI699673, AI807260, |

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| | | | SEQ ID NO:1729, b is an integer of 15 to 218, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1729, and where b is greater than or equal to a + 14. | AI375466, AI633645, AA588195, AA670218, AA487274, N64317, AW118102, AA449233, AL133312 |
| 1730 | HOSDU39 | 877050 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 566 of SEQ ID NO:1730, b is an integer of 15 to 580, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1730, and where b is greater than or equal to a + 14. | |
| 1731 | HCROS68 | 877051 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 623 of SEQ ID NO:1731, b is an integer of 15 to 637, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1731, and where b is greater than or equal to a + 14. | AI940522, AC007688 |
| 1732 | HWLRT47 | 877052 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of | AA676521 |

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| | | | SEQ ID NO:1732, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1732, and where b is greater than or equal to a + 14. | |
| 1733 | HCRPN44 | 877056 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1267 of SEQ ID NO:1733, b is an integer of 15 to 1281, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1733, and where b is greater than or equal to a + 14. | AI814630, AI659745, AI337185, AI476215, AW014950, W90223, AI683180, AI040605, AI052156, AW419172, N20981, N92247, AI583402, N51526, H64280, H64281, H21597, AW117231, W37142, W47567, H65040, Z40718, H65039, W86558, W90127, W47547, AI572195, W86559, R08722, R08628, M79050, R16990, AA002167, AC005736, AB011092, AC007151, T87129, T99488, R87793, H50980, H66212, H66857, N30250, W15238, W15419, AA024406, AA076483, AA099706, AA513421, AA535580, AA593084, AA593075, AA639881, AA766869, AA809957, AA828815, AA922533, AA705190, AA775052, AA854917, AI085171, AA952891, AA952941, AI307637, AI348056, AI203039, AI380800, AI473584, AI571026, AI424140, AI219098, AI659256, AI636785, AI338942 |
| 1734 | HCRPD33 | 877057 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 261 of SEQ ID NO:1734, b is an integer of 15 to 275, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1734, and where b is greater than or equal to a + 14. | AI167356, AL049670, AL021397 |
| 1735 | HCRPE57 | 877058 | Preferably excluded from the present invention are one or more | AA989345, AI624083, D61985, N67616 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1017 of SEQ ID NO:1735, b is an integer of 15 to 1031, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1735, and where b is greater than or equal to a + 14. | |
| 1736 | HCRNJ46 | 877059 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 324 of SEQ ID NO:1736, b is an integer of 15 to 338, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1736, and where b is greater than or equal to a + 14. | |
| 1737 | HWLRC59 | 877063 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 412 of SEQ ID NO:1737, b is an integer of 15 to 426, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1737, and where b is greater than or equal to a + 14. | AA984838, F12786, AA224052, T75215, T77343, AC005919 |
| 1738 | HLHCD08 | 877065 | Preferably excluded from the present invention are one or more | AA195002, AA194815, AI916670, AW440382, AI884584, AA843585, AI653656, AW130944, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 778 of SEQ ID NO:1738, b is an integer of 15 to 792, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1738, and where b is greater than or equal to a + 14. | AW303456, AA456790, AI051183, AW152159, AA130046, R79256, AW439608, H22118, AA134040, T18594, H44350, AI784396, R76637, T79450, T79540, T97240, T97241, R51919, AW079574, C00464, AI699839, AI689564, AL046171, AI702873, R79157, AI905847, AA129873, AA356980, AA351418, T09084, AW248101, AI929724, AI815427, W27745, D85131, M94046, AB017335, M93339, U33819 |
| 1739 | HWLVE77 | 877066 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 454 of SEQ ID NO:1739, b is an integer of 15 to 468, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1739, and where b is greater than or equal to a + 14. | N53758 |
| 1740 | HCROJ64 | 877067 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 93 of SEQ ID NO:1740, b is an integer of 15 to 107, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1740, and where b is greater than or equal to a + 14. | |
| 1741 | HWLQM05 | 877068 | Preferably excluded from the present invention are one or more | |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 471 of SEQ ID NO:1741, b is an integer of 15 to 485, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1741, and where b is greater than or equal to a + 14. | |
| 1742 | HCRPW24 | 877069 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 398 of SEQ ID NO:1742, b is an integer of 15 to 412, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1742, and where b is greater than or equal to a + 14. | AC004540 |
| 1743 | HOCTA26 | 877070 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:1743, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1743, and where b is greater than or equal to a + 14. | AA906013, AW392670, U46347, Z99396, AW363220, AW384394, AW372827, AL119484, AL119457, AL119319, AL119363, AL119497, AL119324, AL119391, AL119355, AL119341, AL119483, AL119443, AL119522, AL043003, U46351, U46349, AL119439, AL119444, U46350, U46341, AL119396, AL119335, AL119496, AL134533, AL134528, AL037205, U46346, AL119418, AL043033, AL042614, AL134153, AL134531, AL042984, AL042965, AL042975, AL119399, AL134538, U46345, AL042450, AL134542, AL042544, AL043019, AL043029, AL042542, AL134132, AL042551, AL043147, AL119304, AL119464, AC015853, AR060234, A81671, AR066494, AB026436, AR054110, AR069079 |

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| 1744 | HBKDB96 | 877071 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 939 of SEQ ID NO:1744, b is an integer of 15 to 953, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1744, and where b is greater than or equal to a + 14. | AA812993, AI368842, AI022649, AI084815, AA931328, AI392998, AI287567, AI493596, AI278360, H16208, AW375190, H91009, AW375161, AW375154, AW375158, H90897, H16209, AW375149, AW418706, AW385279 |
| 1745 | HCRPE30 | 877073 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 378 of SEQ ID NO:1745, b is an integer of 15 to 392, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1745, and where b is greater than or equal to a + 14. | AB014604, AC003093 |
| 1746 | HKGAW02 | 877075 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 519 of SEQ ID NO:1746, b is an integer of 15 to 533, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1746, and where b is greater than or equal to a + 14. | AA935168, AA398801, AL119484, AL134524, AL119418 |

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| 1747 | HCQCD93 | 877079 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 237 of SEQ ID NO:1747, b is an integer of 15 to 251, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1747, and where b is greater than or equal to a + 14. | AI434772 |
| 1748 | HOCTD62 | 877080 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 341 of SEQ ID NO:1748, b is an integer of 15 to 355, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1748, and where b is greater than or equal to a + 14. | |
| 1749 | HE8PC46 | 877083 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 818 of SEQ ID NO:1749, b is an integer of 15 to 832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1749, and where b is greater than or equal to a + 14. | R13359, H08041, AF010245, AW156983, H29189, Z46132, T16980, AI879608, AW402188, AA348764, R34542, R61072, H23510, AA436740, N36381, AI929579, AI879056, AI816318, AL137450 |

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| 1750 | HWLQM53 | 877087 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 470 of SEQ ID NO:1750, b is an integer of 15 to 484, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1750, and where b is greater than or equal to a + 14. | AW369563, AI674814, AA767616, AA761971, AA465292, AA204693 |
| 1751 | HTLGE26 | 877088 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 758 of SEQ ID NO:1751, b is an integer of 15 to 772, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1751, and where b is greater than or equal to a + 14. | AI285916, AI025315, AP000553, AC009516 |
| 1752 | HCFDE85 | 877092 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 370 of SEQ ID NO:1752, b is an integer of 15 to 384, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1752, and where b is greater than or equal to a + 14. | |

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| 1753 | HFEAH85 | 877093 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 208 of SEQ ID NO:1753, b is an integer of 15 to 222, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1753, and where b is greater than or equal to a + 14. | AI950320, AA340023 |
| 1754 | HE8QT45 | 877094 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 636 of SEQ ID NO:1754, b is an integer of 15 to 650, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1754, and where b is greater than or equal to a + 14. | AI052389, AI761986, AW057796, AI656751, AW152082, AI126366, AI125599, AA452171, AI687797, AW023851, AA406351, AI431689, AA778840, AA993437, AI128983, AA565214, AI693581, AI254753, AI285759, AW020705, AI762885, N92604, AI193254, AI003334, C16412, C16192, AA226919, AA479128, AI536542, H08761, AA706764, R85597, T10616, AI933471, AI250282, AW160916, AI440238, AW151132, AI372041, AL040011, AA731417, AA806605, AA641818, AW194014, AA938181, AI932739, AW020164, AI345688, AI813538, AA829402, AI431507, AI890907, AW080157, AI963101, AI279925, AI560198, AW167340, AW151974, AI473536, AI963346, AI244329, N63128, AI350489, AI635634, AA609644, AI627339, AI499057, AI690813, AI581053, AI866469, AI955441, AW021373, AA282824, AI799313, AI609409, AA810226, AI918449, AI699029, AW189548, AW058304, AI828676, AI659041, AI918809, AA065052, AL134828, C21335, AI357644, AI348821, AI590043, AI866770, AI399759, AI636507, AA767924, AA814517, AI289791, AI421662, AW082532, AA761557, AA743474, AA836665, AI628850, |

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| | | | AI919516, AW088546, AI590755, W48671, AL119863, AL039508, AI241923, AL079963, AI446373, AA934912, AI884574, AL048499, AI865189, AI581033, AW148544, AW079996, AA811736, AI673278, AW078818, AW409793, AI954504, AW002727, AI859991, AI688381, AW406745, AW021717, AW196720, AI915291, AW152182, AI950729, AI472487, AW023072, AI921915, AI582932, AI609191, AI872423, AI619820, AI434731, AI524179, AI800370, AI521560, AI889189, AW075382, N52016, AW089844, AI648494, AI678623, AI273886, AW104141, AW029457, AL022334, AR050959, S75997, AF100931, AF141289, AF183393, A18777, AL133619, AF039138, AF039137, A08910, A08909, AF103804, AL110269, AB020777, X60769, A08908, X84990, AL137284, U73682, X66113, AR038854, AB031064, E05822, U37359, AL050366, AF000167, A76337, AC005091, AF098162, AF067790, AL137537, AL050155, AR053103, I48978, X55761, AF036941, Y13653, I89947, I33392, AC010077, AF026816, I80062, X83544, I22020, M85164, X99270, AF044323, X66366, AF102578, X01775, A18788, X80340, AC006288, AL133565, AL137479, A60092, A60094, AF031572, AC004383, S78214, Z49216, X55446, AF068229, AC005992, U76377, I77092, D55641, X87582, AL080227, X99971, AL030998, A65340, AL122116, A77033, A77035, AL122104, AL137271, E03168, AF184965, AF195092, X93328, AL137716, AC005296, A86558, AF038847, AL137554, AF043493, AL110158, AF042090 |
| 1755 | HWLQL84 | 877095 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 546 of | W79030, AC005486 |

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| | | | SEQ ID NO:1755, b is an integer of 15 to 560, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1755, and where b is greater than or equal to a + 14. | |
| 1756 | HCQCP82 | 877096 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 275 of SEQ ID NO:1756, b is an integer of 15 to 289, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1756, and where b is greater than or equal to a + 14. | AA193032 |
| 1757 | HCRMW80 | 877097 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 476 of SEQ ID NO:1757, b is an integer of 15 to 490, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1757, and where b is greater than or equal to a + 14. | AI902587, AL110283 |
| 1758 | HSIGL73 | 877098 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 841 of | AW083100, AI206576, H43346, AA095182, H43308, AA248302, AI537677, AI345416, AI345612, AI345415, AL134830, AI802542, AW051258, AL079963, AI677796, AI569583, AI801793, AI619502, AW198090, AI433157, AI702073, AI633125, AI334445, AW163464, AI254727, |

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| | | SEQ ID NO:1758, b is an integer of 15 to 855, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1758, and where b is greater than or equal to a + 14. | AA225339, AW071417, AI499285, AI269862,<br>AI863241, AI886753, AI564719, AI521012,<br>AW026882, AL119863, AL036736, AW148716,<br>AW161579, AI340603, AW090071, AI554245,<br>AW160916, AL046200, AI358701, AI611738,<br>AI284131, AI445025, AI536638, AW073865,<br>AI636588, AA640779, AI687362, AI954183,<br>AW300782, AI571909, AI887659, AW300889,<br>AI500077, AW117746, AI921248, AL040243,<br>AI632408, AI627360, AI873644, AI933589,<br>AI682743, AI783504, AI620284, AL039086,<br>AL120307, AI637584, AI919534, AI612885,<br>AI815232, AW163823, AW129659, AI697324,<br>AI284517, AI670009, AL038069, AW169653,<br>AW104724, AI612913, AI801325, AI500523,<br>AI446373, AL037454, AI926790, AI521560,<br>AI500662, AW090013, AW023590, AW104827,<br>AI890833, AI348897, AI491852, AI475371,<br>AI627988, AI520862, AW190194, AL036403,<br>AI567128, AW148363, AI283760, AA427700,<br>AI284484, AL036274, AI699865, AL036631,<br>AI798456, AI524671, AI207510, AW301409,<br>AI812107, AI886124, AL036980, AW150578,<br>AI679504, AI440239, AW080402, AL045500,<br>AW118518, AW075667, AL043293, AI815855,<br>AW148408, AL036396, AI702068, AW020561,<br>AL038605, AI866770, AI559296, AA572758,<br>AL040241, AW193530, AW073270, AI587114,<br>AI610690, AI312428, AI469532, AI815237,<br>AI866801, AI536685, AI468872, AW268220,<br>AI805603, AI340519, AW166970, AL120853,<br>AI349645, AI932794, AI500706, AI439745,<br>AW089572, AI648509, AI590120, AW087207,<br>AL110306, AI433976, AI862144, AI249323,<br>AI280747, AI934259, AI696398, AW087445,<br>AI929108, AA470491, AW081298, AW020693, |
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| | | | AW105601, AW193911, AI620866, AI306613, AI274541, AI609375, AI567612, AW022808, AL036802, AI270055, AI174394, AI554186, AW129916, AI613270, AI633330, AI874166, AI625079, AI683585, AL047763, AW132056, AW169527, AI335426, AI348777, AI270099, AI862139, AI355827, AI475394, AI285448, AI687065, AI686576, AA806720, AI871697, AW403717, AI682971, AL036361, N33175, AI889376, AI923989, AW152459, AI636585, AI439717, AL119791, AI635461, AI433384, AI923370, AI345131, AI591075, AI567351, AW074993, AW302965, AI431424, AI349614, AW193134, AI343112, AI954422, AI434468, AI499986, AW268083, AI572787, AW268253, AI537515, AI281772, AL045266, AI254731, AI349598, AI934011, AI312152, AI872545, AI570807, AI686817, AI247293, AL041772, AI345735, AI819326, AW078839, AI539771, AW075084, AI818977, AI784252, Z83839, L29339, AF042090, AC004057, AL032822, AC004470, AL080239, AC018767, AC006197, AC004554, AC004808, AC006313, AC002454, AF090900, AL133560, AF090934, AL137271, I48978, I89947, A08916, AL133557, AL117460, AL049382, AJ000937, AL049314, AF111851, AC002480, A08913 |
| 1759 | HHEYT40 | 877099 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 679 of SEQ ID NO:1759, b is an integer of 15 to 693, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AA313905, AW392670, AL119319, AL119496, U46350, AW372827, U46349, AL119399, AL119363, AL134518, AL119443, AW363220, AW384394, U46346, U46341, AL119497, U46347, AL134524, AL119335, AL134528, U46351, AL042850, AL119457, AL119522, AL134920, AL119484, AL119391, AL119324, AL119444, Z99396, AL119355, AL119483, U46345, AL134538, AL119439, AL043037, AL042970, AL037205, AB026436, A81671, AR054110, AR060234, AR066494 |

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| | | | NO:1759, and where b is greater than or equal to a + 14. | |
| 1760 | HDQHQ51 | 877101 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2712 of SEQ ID NO:1760, b is an integer of 15 to 2726, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1760, and where b is greater than or equal to a + 14. | AW405179, AA278430, AI951459, AW130135, AA437355, AA427621, AW183077, AW044380, AI038334, AI540554, AI224500, AA256905, AW440059, AA702920, AI269240, AA662464, AA129087, AI042498, AW401902, AI865421, AA129086, AI023674, AA670374, U51141, AI355031, AA255481, AA600233, AA983314, AA661749, AA278961, AI286001, AW237708, AA512902, R16374, AI000189, AA872607, Z39825, AW338997 |
| 1761 | HODGR31 | 877104 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1019 of SEQ ID NO:1761, b is an integer of 15 to 1033, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1761, and where b is greater than or equal to a + 14. | AI701474, AI141563, AA805242, AW151887, AW172894, AI342500, N26482, AI990393, AW275998, AL120029, AI367540, AA905238, AA767195, AA633403, N25228, AA811725, Z39323, N29704, H17935, W05575, N70530, AA766858, AL118631, N98948, AI701701, N66665, AA737077, AB007917 |
| 1762 | HWLWB92 | 877105 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 607 of SEQ ID NO:1762, b is an integer of 15 to 621, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AA167624, AA688144, AA016314, AI499580, AI925014, AA808419, AI081193, AA194836, AA125835, AW419229, AA252083, AA461554, AI500464, AA557634, AI208183, AA988570, AA687098, W33019, AA876407, AW007949, F34751, AA492322, AA908820, R37941, T23517, AA844143, N73484, AA488062 |

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| | | | NO:1762, and where b is greater than or equal to a + 14. | |
| 1763 | HWLRD79 | 877106 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 722 of SEQ ID NO:1763, b is an integer of 15 to 736, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1763, and where b is greater than or equal to a + 14. | AA465383, H51960, AA393998, AI300310, AI017609, AI017517, AI819082, AW088106, AW264111, AI446796, AA767844, AI538119, AI583021, AW151792, AW168958, AI252808, T79312, AA429868, AA971656, AI358328, AI039023, AW002810, AW028426, AI336255, AW238738, N64679, AA604414, N64391, AI275601, AA437374, AW003543, H93076, AI962621, AI148567, AA904883, AW194543, F01936, AI674414, AI419876, AI339747, AW299722, C00822, AA661775, T27646, AI473622, AI473612, AL042432, AA775934, AA700143, X63546, I76205, AJ012755 |
| 1764 | HWLOW72 | 877110 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1357 of SEQ ID NO:1764, b is an integer of 15 to 1371, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1764, and where b is greater than or equal to a + 14. | AA046439, AW243397, AA211360, AA974447, AI128724, AI990335, AA456529, AI655816, H39555, AI479968, AI283132, AI926934, AA534329, AA019380, AI961572, AA011475, AI089295, AI446563, AI807997, AA872374, AI798452, AA256606, AA936249, AI393572, H25408, AW016511, C01415, H28374, AA516090, R43067, AI991488, AA455164, AI217649, AA730296, AI216786, AI357214, AI961183, AI537981, AI203429, AI261590, AI093989, AI950123, R46342, AI803504, AI017015, AA425610, AA535732, AI922416, N21542, AI805514, R35671, R35782, Z38679, AA258077, AI092478, AW170513, AI382468, AA971129, AA455366, AA430349, AA090871 |
| 1765 | HUSGT72 | 877111 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 752 of SEQ ID NO:1765, b is an integer of 15 to 766, where both a and b | AA021634, AW028333, AI203234 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1765, and where b is greater than or equal to a + 14. | |
| 1766 | HPWBM91 | 877112 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 722 of SEQ ID NO:1766, b is an integer of 15 to 736, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1766, and where b is greater than or equal to a + 14. | AA496246, AI760599, AI371734, AA476481, AA496245, AI955212, AI802040, AA628734, AA476480, AI369165, AI094501, AA744975, AI609830, AI810354, AI420545, AI381025, AI380020, AI675503, AI439413, AI474428, AI784364, AI832169, AA886089, AI362418, AA505488, AA554685, AA812608, AI125614, AA886622, AW389951, AI885739, AA215595, AW389969, AI000868, AF165185, AF172328 |
| 1767 | HWLVB03 | 877114 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 507 of SEQ ID NO:1767, b is an integer of 15 to 521, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1767, and where b is greater than or equal to a + 14. | AA112413, AI879634, AI625669, AA287717, AI027610, AI951403, N51076, AI218397, N72114, AI924949, AI278323, AI076224, AI921374, AI910849, AI263735, N25730, AI932387, AW269315, AI221583, AA806202, AI634635, AI357102, AI761994, AI272043, AI298937, AI685902, AI765676, AW298266, AA768195, AI742632, AI825896, AI682622, AA771945, AI367152, AA884764, AW418760, AA897114, AA704188, AA765915, W68725, AI434324, AI075318, AI695150, AA287716, AI424445, N50945, AA127273, H52538, AL037272, AA665059, AW340854, AA279150, H10181, R43600, AA554232, R49161, AI142249, AI003234, R43464, AW365070, AW079259, Z38935, F03815, AW364640, R40549, AI567606, AA788798, AW168090, AA127272, AL119457, AL119324, AL042544, AW383064, AA724943, AL119464, AL119443, AW392670, AL119439, AL119335, AL119355, AL042450, AL042542, U46349, AL134542, AI433107, AL042984, AL043029, U46350, AL043033, AL119497, |

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| | | | | AL119319, AL042433, AL042965, AL042975, AL119483, U46341, AW372827, AL042614, AL119484, AL119363, AL119391, AL119444, AW363220, U46347, AW384394, U46351, Z99396, AL134528, AL043011, AL043019, AL043003, U46346, AR060234, AR066494, A81671, AR054110, AB026436 |
| 1768 | HAJAM74 | 877119 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 439 of SEQ ID NO:1768, b is an integer of 15 to 453, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1768, and where b is greater than or equal to a + 14. | AA026806, AI243595 |
| 1769 | HHMME78 | 877120 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 622 of SEQ ID NO:1769, b is an integer of 15 to 636, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1769, and where b is greater than or equal to a + 14. | AA215535, AA453055, Z99396, AL119522, AW392670, AW384394, AW372827, AW363220, AL119497, AL119335, AL119443, AL119319, U46349, AL119483, U46350, AL119457, AL119324, U46341, AL119484, AL119363, AL119391, AL036418, AL038837, AL119341, AL119355, U46351, AL119496, AL119396, AL037051, AL036725, AA631969, AL036858, U46346, AL119418, AL134524, AL042614, AL119444, U46347, AL134528, AL042975, AL038509, AL039074, AL119439, AL037205, U46345, AL134518, AL036924, AL042965, AL119399, AL134533, AL042970, AI142137, AL042984, AL119488, AL042551, AL134538, AL037094, AL037082, AL037526, AL042450, AL036196, AL037077, AL037639, AL037085, AL039564, AL042544, AL043019, AL042995, AL043029, AL134542, AL042542, AL042896, AL036767, AL036190, AL043003, AL036268, AL038851, AL038520, AL038447, |

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| | | | | AL119464, AL036774, AL036733, AL036998, AL037178, AL036238, AL037615, AL037027, AL036719, AL036765, AL036191, AL036679, AL036158, AR060234, A81671, AR066494, AR023813, AR064707, AR069079, AR054110, AB026436 |
| 1770 | HCYBJ73 | 877121 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 629 of SEQ ID NO:1770, b is an integer of 15 to 643, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1770, and where b is greater than or equal to a + 14. | R18987, R17194, AA305460, Z45206, F08022, W86585, F07327, D50979, D80164, D80227, D80522, D80269, C14389, D59502, D81026, D80133, D80195, D51060, D80248, D59610, D59467, D59275, D58283, AA305578, D80188, C15076, D80366, D59859, D51022, D80022, D80038, C14331, D80166, D80043, D50995, D51423, D59619, D80210, D51799, D80391, D80240, D80253, D59787, D81030, D80241, D80212, D80193, D80196, AW377671, D80219, AA305409, D80045, AA514188, D59927, D80251, D57483, D80378, D59889, D80024, C14014, C06015, AW360811, D80268, AW177440, D80302, AA514186, AW378532, D80439, D59373, C14429, AW178893, D80247, D51103, AW375405, T11417, T03269, AW360834, AW179328, AW366296, C75259, AW360844, AW378528, AW360817, AW375406, AW178906, AW378534, AW179332, AW377672, AW179023, AW178905, D59653, AW177501, AW177511, D80157, C05695, D51759, AW352171, AW377676, D80132, AW178762, AW352170, AW177731, AW178907, AW179019, AW179024, D58253, F13647, D80134, D51250, AW367967, AW176467, AW360841, AW177505, AW178754, AW179018, T48593, AW352117, AW378543, AA514184, D80014, D45260, D51079, H67854, AW179004, D59551, D81111, AA809122, AW178774, AW179012, C14227, D59503, AW352120, AW378540, AW352163, D80258, D80064, D59627, C03092, H67866, AW179009, AI525923, AW178911, AI910186, |

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| | | | | AW177722, AW378533, AW177728, D58101, D59317, T02974, AW367950, T03116, AI905856, D58246, D45273, C14407, AW178781, AI525917, AI557774, AI535959, D59695, C14973, AW378539, C14344, D60010, AI535686, AW178986, D51221, AI525227, D59474, T03048, D60214, AI525920, C14957, C14046, AW378542, AI525235, C14298, AI557751, AW177734, D80168, AI525242, AW179011, D52291, AI525925, AI525912, D51213, AA285331, AI525215, C16955, AI525237, D51097, D31458, C05763, Z33452, AI525222, Z21582, AI525928, AW360855, T02868, H67858, D80949, C04682, AB028859, AJ132110, AR008278, A84916, A62300, A62298, AR018138, AF058696, A82595, X68127, AB002449, AR060385, X67155, Y17188, D26022, Y12724, A25909, A94995, A67220, D89785, A78862, D34614, AR008443, I50126, I50132, I50128, I50133, D88547, AR066488, AR016514, AR016808, AR060138, A45456, A26615, AR052274, X82626, A43190, I14842, Y09669, A43192, AR038669, AR054175, AR066487, A30438, AR025207, Y17187, A63261, A70867, D50010, AR066490, AR008277, AR008281, AR062872, I18367, AR016691, AR016690, U46128, I82448, I79511, AR008408, A64136, A68321, AB012117, D13509, AR060133, AR066482, AF123263, A85396, D88507, A44171, AR032065 |
| 1771 | HCRNE77 | 877122 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 720 of SEQ ID NO:1771, b is an integer of 15 to 734, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | N46730, N47731, AC005272, AC005826, AC006379, AC007276, AC004800 |

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| | | | NO:1771, and where b is greater than or equal to a + 14. | |
| 1772 | HWMBC94 | 877123 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 382 of SEQ ID NO:1772, b is an integer of 15 to 396, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1772, and where b is greater than or equal to a + 14. | AA366950 |
| 1773 | HWLMS73 | 877126 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 772 of SEQ ID NO:1773, b is an integer of 15 to 786, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1773, and where b is greater than or equal to a + 14. | AA527435, AW195324, AI653000, AW051613, AA514619, AI652532, AI675204, AA435717, AI659333, AI796596, AI273289, AI880669, AI826786, AA889355, AW004627, AA397980, AC002302 |
| 1774 | HFAMB70 | 877129 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 662 of SEQ ID NO:1774, b is an integer of 15 to 676, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | H10992, AL080276 |

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| | | | NO:1774, and where b is greater than or equal to a + 14. | |
| 1775 | HCQAK62 | 877130 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 409 of SEQ ID NO:1775, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1775, and where b is greater than or equal to a + 14. | W86771 |
| 1776 | HCQDP71 | 877131 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 657 of SEQ ID NO:1776, b is an integer of 15 to 671, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1776, and where b is greater than or equal to a + 14. | AA595817, H30539, AW022133 |
| 1777 | HE9PB28 | 877132 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1765 of SEQ ID NO:1777, b is an integer of 15 to 1779, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AW183176, AI338542, AA687408, AI335604, AA902163, AI741694, AA954272, AA742379, AI092736, AI826540, AI675475, AI079357, AI932722, AW196794, AW028184, AA091428, AW297724, AI678998 |

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| | | | NO:1777, and where b is greater than or equal to a + 14. | |
| 1778 | HCQCR68 | 877133 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 545 of SEQ ID NO:1778, b is an integer of 15 to 559, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1778, and where b is greater than or equal to a + 14. | T87566, AW389691, AA505395, R15971, AL022069 |
| 1779 | HEPNB10 | 877134 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 772 of SEQ ID NO:1779, b is an integer of 15 to 786, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1779, and where b is greater than or equal to a + 14. | AI268381, AI240658, AI302971, W87782, H02333, AW022594, X82877, A36408, X64315, X82876 |
| 1780 | HWLNY36 | 877135 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 674 of SEQ ID NO:1780, b is an integer of 15 to 688, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | Z78283, R11554, N44978, AA321699, AA661583, AW275432, AL048969, AI801563, AA640305, AA666295, AA676592, AA483966, AI268826, AW151247, AW021674, AI174703, AA601376, AL048060, AL048090, AI572680, AI570067, AI370470, H93717, AA846944, C06151, AA469230, M77888, AI224583, AI242994, F29968, AA829565, AI039257, AA180056, AI090377, AI791659, AA723132, AA831426, AA525753, AA630476, AA113757, AA493245, AW275640, AI292275, |

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| | | NO:1780, and where b is greater than or equal to a + 14. | AA525881, AI457152, T52772, AA233462, AI738741, F17549, AI309943, AI300597, AW245331, T57562, AI283329, AA302943, AA720582, AA480486, AW087537, AA599069, AI754421, AI474127, AA601333, AI192465, AA341992, AA367920, AI583532, AA493789, AW022376, AI053673, AA489390, AI417496, T07251, AI797998, AA491743, AA586474, AI590404, D29424, AI538404, AI378950, N54538, AI311796, AA084320, AI567676, AI310670, AI014332, AA218684, T03928, AL119645, AI282724, AI653465, N22416, AW264548, AI719298, AI065031, F18885, AA182577, AW149241, N58378, H90845, AA583386, R43468, AA483735, AI349130, R42954, AA666172, AI590442, AI079669, AI654737, AA584765, AA228437, AA602105, AI862213, AA111897, AI872018, AA847504, AA434165, AA342238, AA587835, AI271693, AA368616, AW272389, AA347203, AW192199, AA298365, AI758981, AL079553, AL078621, AC002055, AL096791, AC002316, AL021392, AC005954, AC004929, AC000115, AP000518, AC005746, AL021393, AC005011, Z73359, U95742, AC006368, AC007216, Z97632, AL035682, AP000070, AL031120, AC004587, AL034349, AC007563, Z81450, AC004652, AC005969, AC005778, AL023575, AP000075, M91453, U80459, Z68617, Z82245, AB014077, Z84721, AC004209, AC004506, AP000514, AL031663, AC002554, AC005736, AC002470, AC004834, AL035443, AC007564, AC005041, AP000010, Z68273, Z97056, AC007308, AF118808, AC004230, AF006501, AC004611, AL008716, AL118497, Z84467, Z85986, AC005082, AC002310, AC005914, AC005095, AC005666, AL078602, AF109907, AC004583, AC003982, AC004638, Z82244, AL031447, AC005519, AL034548, AJ003147, AC003685, AC005740, AL049569, AC006205, AC004673, AC005747, |

AC004518, AC007110, AL031321, AC004678,
AL117339, AF217403, AC005190, AP000277,
AC002133, AC006167, AP000281, AC005251,
AC003077, AP000008, AP000105, AP000037,
AC002115, Z95113, AP000704, AC002529, AC002465,
AC009069, AC007406, AP000511, AC006121,
AL080276, AL049712, AP001053, AL023799,
AL031985, AC004961, AC005207, AC010077,
AC004139, AC020663, AC007066, AC003109, Y15083,
AC002299, AC005104, AC006076, AB020859,
AC007878, AC005320, AC004562, AL132799,
AL023578, AC005065, AC006251, AC006275,
AL022334, AC004623, AL031223, Z99289, AC006316,
U91322, AF207550, AC004477, AC007371, AC006131,
AC012599, Z99297, Z97832, AL049839, AL133163,
Z73429, AC005184, AC002044, AC004150, Z93930,
AL049776, Z46936, AC005579, AL121767, AC004134,
AC005015, AP000227, AB004907, U89335, AC005218,
AC004131, AC006130, AL022322, M94081, AP000087,
AF042089, Z97054, AC004231, Z97989, AE000661,
AC004858, AC005924, AC006162, AC004074,
AL031587, AC005911, AJ006997, AC005393,
AF165926, AC004757, AL022725, AC003665,
AC009247, AL034343, AC004832, AC002996,
AC004922, Z99716, AC000353, AC005776, AL139054,
AL023876, AC004513, AC004773, AL136295,
AL008710, AC002077, AC012627, AL034553,
AC006132, AC009516, Z94802, AC005277, AF064863,
AC002064, AC006238, AL021307, AC004921,
AL035587, AC005523, AC005261, AC004030,
AL031678, AC004998, AC005209, AL135744,
AC007225, AL050341, AL034429, AL137100,
AC006600, Z95114, AL022723, X77331, AC007064,
AP000359, AL021918, AC004856, AB023050,
AC004602, AC003043, AB009422, U80017, AC006211,
AP001058, AC005175, AC013256, AC002997,

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| 1781 | HWLRC68 | 877137 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 534 of SEQ ID NO:1781, b is an integer of 15 to 548, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1781, and where b is greater than or equal to a + 14. | AC005594, AC008975, Z68756, L48038, Z75890, AC004076, AF107045, AL096703, AC004508, Z94801 U55042, AJ249706, AF184153 |
| 1782 | HWLQM88 | 877138 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of SEQ ID NO:1782, b is an integer of 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1782, and where b is greater than or equal to a + 14. | W73224, AI804267, AI379725, AI636783, AI351006, H98536, AI365217, N35469, AI219083, AI221578, AA476333, AI687408, AC007285 |
| 1783 | HWLMG40 | 877139 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 523 of SEQ ID NO:1783, b is an integer of 15 to 537, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID | AI741535, AI968175, AI970276, AI991566, AW025923, AI652906, AW188858, AI637887, AA516176, AI917709, AI631638, AI625029, AI342081 |

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| | | | NO:1783, and where b is greater than or equal to a + 14. | |
| 1784 | HWLQO15 | 877140 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 600 of SEQ ID NO:1784, b is an integer of 15 to 614, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1784, and where b is greater than or equal to a + 14. | AI972873, N95228, AI656562, AW055145, AI936408, AI375092, AW016802, AI188610, AI985579, AI991588, AI292190, AI094172, AI078514, AI191047, R38989, AI763004, AW182193, AI830734, R49050, AA046092, AI202609, H49273, R99234, AL037112, AI262420, H19327, W87481, AW236116, N94137, AI221613, AA581541, AI521710, AA404487, AA046135, R05523, W69271, Z38912, AI468774, AA099158, AI984653, AA019723, AI554117, AI090954, AW007126, N70968, H12506, AF131754, AL035700, AC007270 |
| 1785 | H2CAC59 | 877142 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 481 of SEQ ID NO:1785, b is an integer of 15 to 495, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1785, and where b is greater than or equal to a + 14. | AA307078, AA706423, AA994100, AA641669, AA626714, AA770345, AI360154, AA454000, AI015598, AI470060, AI470113, AI274091, AI627230, AI784122, AI563937, AW071839, AI937059, AI348119, AI285070, AI401714, AA550934, AW078863, AI092221, AI077448, AI139979, AA229891, AI192689, AA745669, AA614661, N51519, AA661859, AA483292, AA873127, AI002451, AI568443, AA074240, AA627279, AA451794, R96077, AA767360, AA451795, R96116, AA579733, AA328053, R44546, AI832484, AA393453, AA229890, D51799, D80166, D59889, D51423, D59619, D80210, D80240, D80253, D59859, D58283, D59927, D80212, D80188, D80227, D81030, D80195, D80219, D57483, D80391, D59610, D80043, D59502, D80038, D80022, D80196, D80269, D80164, D59275, D80366, AA400769, D80193, D80241, D59787, D80024, D80045, D50995, D50979, C14389, C14429, D80378, T03269, C75259, C14331, AA888120, C15076, C14014, D59467, D51060, AA305409, D80134, AW178893, D81026, D80268, D51250, F13647, D80949, Z21582, D58253, D80522, D81111, |

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| | | | AW178775, D51079, AW177440, D59695, D80168, D51022, C14227, AW179328, AW377671, AW352158, AW378532, AA514188, AA305578, AW369651, D52291, D80251, D80248, AW177501, AW177511, AI905856, AA704205, C14298, AW178762, D80064, AW352117, AA514186, D80133, AA285331, AW360811, C14407, AW378540, D51097, AW375405, AW360844, D80132, AW360834, AW366296, AW360817, AW179220, AW375406, AW378534, AW352171, AW179332, AW377672, AW179023, AW377676, AW178905, AW178754, AW179024, D80439, T03116, AW177505, AW360841, AW179020, D80302, AW178909, AW177456, AI557751, AW178906, AW352170, AW177731, AW178907, AW179019, AW179018, AW178971, D80247, AW352174, D80014, AW179017, AW179004, AW179329, AW179012, AW178980, AW177733, AW378528, AW178908, T11417, D51103, D80157, AW179009, AW178914, AW378543, AW378525, AW367967, T02974, D51759, D58246, D58101, AW378539, AW178983, AW352120, AW177728, AW178774, AW178781, AW178911, AW352163, D59627, D80258, D59503, C06015, AI557774, T48593, D51213, D45260, D50981, AW378533, H67854, AW367950, Z82214, D63487, A62298, A84916, A62300, AJ132110, Y17188, AR018138, X67155, A67220, D89785, A78862, D26022, A25909, D34614, D88547, AR025207, X82626, AF058696, AR008278, AB028859, AB012117, Y12724, X68127, A85396, AR066482, A44171, A85477, I19525, A86792, U87250, A82595, X93549, A94995, AR060385, AB002449, AR008443, I50133, I50128, I50126, I50132, AR066488, AR016514, AR060138, AF135125, A45456, A26615, AR052274, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I18367, A30438, D88507, I14842, AR054175, D50010, Y17187, AB033111, AR008277, AR008281, A63261, AR064240, AR008408, |
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| | | | | AR062872, A70867, AR016691, AR016690, U46128, D13509, A64136, A68321, AR060133, I79511, Z32749, U87247, AB023656, AF123263, X93535, AR008382 |
| 1786 | HWLXJ87 | 877143 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 570 of SEQ ID NO:1786, b is an integer of 15 to 584, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1786, and where b is greater than or equal to a + 14. | AW450418, R24589 |
| 1787 | HSDSJ26 | 877145 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1319 of SEQ ID NO:1787, b is an integer of 15 to 1333, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1787, and where b is greater than or equal to a + 14. | AA193531, AI360026, N40228, AA459477, N93266, H85243, AI918187, AI564399 |
| 1788 | HCFBR55 | 877146 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 536 of SEQ ID NO:1788, b is an integer of 15 to 550, where both a and b | AI336245, AI761380, AI423423, AI367536, N81076, AA865581, AA258570, AA772622, H22025, AI565200, AI371499, AA659137, AA879034, AI423953, AI084944, U69127 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1788, and where b is greater than or equal to a + 14. | |
| 1789 | HCRNP62 | 877147 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 471 of SEQ ID NO:1789, b is an integer of 15 to 485, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1789, and where b is greater than or equal to a + 14. | AA845225, W21880 |
| 1790 | HCRMR04 | 877148 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 551 of SEQ ID NO:1790, b is an integer of 15 to 565, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1790, and where b is greater than or equal to a + 14. | |
| 1791 | HGBHE60 | 877149 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 900 of SEQ ID NO:1791, b is an integer of 15 to 914, where both a and b | AI076490, AI654914, AI265931, AA218987, AA232080, AI921179, AI921200, AF110400 |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1791, and where b is greater than or equal to a + 14. | |
| 1792 | HKAOG63 | 877153 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 296 of SEQ ID NO:1792, b is an integer of 15 to 310, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1792, and where b is greater than or equal to a + 14. | AA307405, AL037524, AL037501, AA126654, R97186, Z58080 |
| 1793 | H2CBR38 | 877154 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1040 of SEQ ID NO:1793, b is an integer of 15 to 1054, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1793, and where b is greater than or equal to a + 14. | AA434547, AA278232, AA029146, AA191433, H00358, R11943, H11169, Z46056, AA193396, AA405639, T99622, AA165044, W00839, R35827, AA425497, F11670, W02964, T85686, R14127, AA449385, W24857, AA313412, N77971, AW303346, AA455582, AI312533, T56653, AA905068, AA304411, AW009793, AA514453, AA587237, N77395, AA129547, AW069049, AI816925, AC002543 |
| 1794 | HRDEW54 | 877155 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 783 of SEQ ID NO:1794, b is an integer of 15 to 797, where both a and b | AW303346, AA905068, AW009793, AA193396, AA514453, AA587237, AW069049, AI816925, AA425497, AA525849, AA455582, AI309995, AI768678, AI129597, AA129547, AI922487, W00839, AI679847, AI275507, AW070298, AI816908, AA278690, AA165044, AW168777, AA456079, AI250904, AA405639, AI679273, AI399923, AA600034, AA427915, AA613020, AA723373, |

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| | | | correspond to the positions of nucleotide residues shown in SEQ ID NO:1794, and where b is greater than or equal to a + 14. | AI630755, AA926672, N95773, AI355684, AA576604, AI081443, N73000, AI633576, AW008775, AA989509, AW009019, AI309215, AI125948, AI431758, N58382, AA136562, AA425221, H11081, AA644362, AI080504, AA449256, AA029146, AA278232, F09333, AA190919, H00311, T91257, W02964, N33940, T99623, R49537, T57253, H83423, AA969769, AA826121, AW182061, AA975401, AW235959, AI767913, Z40018, AA640099, AA932232, T49289, T56653, AA029024, T49288, AI695342, W24857, AA159950, H00358, T49319, AW134475, AA434547, T49320, AC002543, AI143419 |
| 1795 | HBMDC60 | 877157 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 350 of SEQ ID NO:1795, b is an integer of 15 to 364, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1795, and where b is greater than or equal to a + 14. | AL031774 |
| 1796 | HOGDM40 | 877163 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1253 of SEQ ID NO:1796, b is an integer of 15 to 1267, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1796, and where b is greater than or equal to a + 14. | AI459297, AA807285, AA428379, AA443512, AA808649, R73812, AA829249, R73811, AA306972, AI823917, AW296857, R34933, AI964018, R34837, AL120670, AL120664 |
| 1797 | HWLNG61 | 877165 | Preferably excluded from the | |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 449 of SEQ ID NO:1797, b is an integer of 15 to 463, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1797, and where b is greater than or equal to a + 14. | |
| 1798 | HCQCT53 | 877166 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 877 of SEQ ID NO:1798, b is an integer of 15 to 891, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1798, and where b is greater than or equal to a + 14. | N23022, AI742147, AA399952, AA773713, AI917300, AA773709, AA768407, N47504, AI339083, AI743525, AI276208, AI393759, AA933833, H97027, H97002, AI401278, AI952505, AW294197, AA844082, AI990110, AI770034, AI973154, AI381716, AA620473, AI990671, AA256663, N47503 |
| 1799 | HCRNV59 | 877167 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 420 of SEQ ID NO:1799, b is an integer of 15 to 434, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1799, and where b is greater than or equal to a + 14. | AA515852, AA806034, AA642399, AI804718, AA805516, AI494462, AI478789, AW236212, AA252353, AI768661, AA721744, AA761615, AA603497, AL134524, AL134110, AA252268, AL047163, AL042898, AL135012, AL042468, AL042523, AL042420, AL045327, AL045494, AL042741, AL045891, U46344, AL049280, AR066494, AL133053, AL122101 |
| 1800 | HCQDP52 | 877168 | Preferably excluded from the | N94138, AL042183 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 435 of SEQ ID NO:1800, b is an integer of 15 to 449, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1800, and where b is greater than or equal to a + 14. | |
| 1801 | HFAAH06 | 877169 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 681 of SEQ ID NO:1801, b is an integer of 15 to 695, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1801, and where b is greater than or equal to a + 14. | W32491, AI557416, AA641955, AC007250 |
| 1802 | HWLMX02 | 877170 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 896 of SEQ ID NO:1802, b is an integer of 15 to 910, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1802, and where b is greater than or equal to a + 14. | AI432361, AI394416, AI075852, AA479958, AA491075, AA588390, N20112, AW377547, AI888417, AA446881, AF155106, AB033107 |
| 1803 | HCYBH52 | 877171 | Preferably excluded from the | AA305314, AI656138 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 526 of SEQ ID NO:1803, b is an integer of 15 to 540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1803, and where b is greater than or equal to a + 14. | |
| 1804 | HCRNX51 | 877173 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 217 of SEQ ID NO:1804, b is an integer of 15 to 231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1804, and where b is greater than or equal to a + 14. | AA232079, AF110400, AB018122 |
| 1805 | HHEPP92 | 877174 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 374 of SEQ ID NO:1805, b is an integer of 15 to 388, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1805, and where b is greater than or equal to a + 14. | AI973079, AA813801, AA191593 |
| 1806 | HCQAB45 | 877175 | Preferably excluded from the | |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 270 of SEQ ID NO:1806, b is an integer of 15 to 284, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1806, and where b is greater than or equal to a + 14. | |
| 1807 | HCYBG53 | 877176 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 320 of SEQ ID NO:1807, b is an integer of 15 to 334, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1807, and where b is greater than or equal to a + 14. | AA305151, H10843 |
| 1808 | HCQDF43 | 877181 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 907 of SEQ ID NO:1808, b is an integer of 15 to 921, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1808, and where b is greater than or equal to a + 14. | AL122007 |
| 1809 | HSHBU44 | 877184 | Preferably excluded from the | AI683284, AW207832, AB007917, AB024568, E17301, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 842 of SEQ ID NO:1809, b is an integer of 15 to 856, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1809, and where b is greater than or equal to a + 14. | E17300 |
| 1810 | HLHSE50 | 877185 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 648 of SEQ ID NO:1810, b is an integer of 15 to 662, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1810, and where b is greater than or equal to a + 14. | AA600172, AC005007 |
| 1811 | HOSDV69 | 877187 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 677 of SEQ ID NO:1811, b is an integer of 15 to 691, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1811, and where b is greater than or equal to a + 14. | AI769803, AI769743, AI986284, AI031834, AI017244, AI247689, AI336761, AW445026, AA933877, AA947886, AI347451, AI344592, AI580382, AW302464, AA702771, AA923510, AI302541, W88655, N74646, AI343716, AA854730, H66770, H62545, W88899, U66036, AB008164, AF026303, AJ238392 |
| 1812 | HCRMH42 | 877189 | Preferably excluded from the | AL119483, AL119484, AL119418, AA554958, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 601 of SEQ ID NO:1812, b is an integer of 15 to 615, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1812, and where b is greater than or equal to a + 14. | AC006576, Z84466, AC008012, AC006480, AC005701, AC004651, AP001053, AF019413, M20903, AC004968, AC004966 |
| 1813 | HSKZE25 | 877191 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1191 of SEQ ID NO:1813, b is an integer of 15 to 1205, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1813, and where b is greater than or equal to a + 14. | AI740516, AI739132, AA631257, AI741376, AW068935, AI467852, AI123717, AI754551, AI752240, AW205510, AA464510, AW044211, AW028889, AW198033, AI538632, AA513096 |
| 1814 | HCRMP38 | 877194 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 586 of SEQ ID NO:1814, b is an integer of 15 to 600, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1814, and where b is greater than or equal to a + 14. | AI623320, AL023654 |
| 1815 | HDPXD55 | 877195 | Preferably excluded from the | AL110186, AB011097 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 551 of SEQ ID NO:1815, b is an integer of 15 to 565, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1815, and where b is greater than or equal to a + 14. | |
| 1816 | HHMMB40 | 877200 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 272 of SEQ ID NO:1816, b is an integer of 15 to 286, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1816, and where b is greater than or equal to a + 14. | |
| 1817 | HEQAN41 | 877202 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1306 of SEQ ID NO:1817, b is an integer of 15 to 1320, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1817, and where b is greater than or equal to a + 14. | AW003740, W81689, AI862673, AW270849, AI912038, AI703038, AA937086, AI279103, AA282925, AI078559, AI768831, AA313607, AI275886, AI432429, AA903131, AI870642, AI189825, AA283134, W81688, AI521151, AW044071, AA410488, AA827169, AA730751, AA256352, AW131390, AI970675, AA989435, AA918065, AI813309, AI969627, AA255498, AA621557, AA828340, AI693110, AI351613, AI471645, AA025513, AI912910, AA410307, AW071626, AI655122, AI800296, AI651526, AI368793, AA976771, AI631084, AI829747, AI620149, AI970920, AA256209, AI422613, AI826838, AW389929, |

AI638091, AI089178, AA582684, AI917053,
AI024439, R70884, AI859906, AI915081, AI884861,
R70883, AI279417, AA678616, F08214, AI859744,
AA831801, AA553457, AA832016, AI922614,
AW341882, AI798242, AA484892, AA610255, N92697,
AA609826, AI631059, AI797998, AI869786, F08655,
AA598605, AI038324, AA857812, AI018726,
AA807579, AA778962, AW265688, AW019964,
AA904211, AI383596, H59611, AI150934, H59651,
AI889426, AW078821, AW390284, AI347665,
AI860535, AA644223, AA581498, AA020882,
AI472736, F33820, AW440568, R99613, AA678932,
AI288033, AW081610, T76991, AW270429, N67313,
AW270351, AA362791, AI803741, AI889995,
AI359200, AA126814, AI419337, AI361090,
AA757426, AA364420, AI421950, AI114645,
AA345594, AW192518, AI671077, AW026305,
AA579281, H39839, AW303822, AA856815, AL039761,
AA643829, AA402113, AI289050, AA653291,
AA436140, AI358776, F17537, AI284092, H38901,
AI123488, AA603558, AI246061, AA501867,
AI291419, AA484022, AF003627, AF035397,
AF086459, AF130357, AC007656, AF111169,
AC005231, AC002316, AP000350, AP000045,
AL049830, AC004820, AL133448, AC004990, Z49258,
AC007055, AL121603, AL031984, AC006084, L78810,
Z82208, X51956, AL031602, U47924, U85195,
AC003029, AE000658, AC006251, AC005696,
AC007878, AL049692, AC005480, AC005082,
AC000379, AC007057, AL049872, AC005006,
AL031433, AC005484, AL031295, AC007687,
AC005089, AL096791, AC002312, AL050305,
AC006443, AL031728, AL133371, AC002432,
AL049839, AC007225, AC005330, AC004841,
AC002365, Y10196, AC004408, AC005212, AL022240,
AC005332, AC005514, AL033527, AL049643,

AL049694, AC005048, AC005902, AC010205,
AC004383, AL049553, AC004148, AF064866,
AC003982, AF196779, AL049641, AC008041, L44140,
AF095901, AL050404, AL031293, AF207550,
AJ003147, AC005778, AC003101, AC005695,
AL121652, AC006359, AL024498, AP000113,
AC003107, AP000352, AC000026, AC004675,
AL020997, Z83844, AL035425, AC000359, AC007666,
AL008582, AL049569, AC006115, AP000130,
AP000208, AC005209, AC003036, AC005632,
AC006455, AP000247, AL023879, U91318, AF088219,
U95739, AC005971, Z95115, AL034377, AC004804,
AL049780, Z69715, AP000304, AL109827, AF067844,
AL031311, AC000031, AF053356, AC006965,
AC006312, AL022165, AC003002, AC007021,
AC004081, AC007350, AC005102, AF124523, Z69890,
D84394, AC005943, AC003973, AC004685, AC007014,
AC004797, AL035405, AC005355, Z98051, AC008078,
AC004796, AC004447, AC004815, AC006211,
AC005015, AC007686, AC004638, Z73988, AC004230,
Z84466, AC004883, AC007688, AC007707, AC012085,
AL049538, AL050347, AC009330, AC004583,
AL117330, AC008372, AC005726, AC007376,
AC005225, AC003692, AL035697, AC000025,
AC005156, AL031774, AL035455, AL133163,
AC004079, AL022719, AC002115, AC004819,
AC004000, AC004477, A51133, A76958, AC002350,
AC007546, AC008040, AC002996, AC003043,
AC005907, AC005519, AL121782, Z98742, AP000030,
AC005365, AL008729, AF217403, AL132985,
AC005562, AC004890, AC006948, AC002551,
AC004185, AC005844, AL035403, AC004539,
AP000115, AP000695, AC009247, AL031730,
AC002429, AL109963, AL033523, AC000112,
AC007263, AL133245, AL031053, AL021397,
AC002072, AF134726, AL031659, AC012627,

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|---|---|---|---|---|
| | | | | AL122020, AL021154, AC005666, AL136295, AC002504, AL080317, AC006111, AC004526, AL049871, AL009179, AL022721, AL031587, AC011331, AC005874, AF134471, AF109907, AC005969, AC006160, AL133244, AC002550, AL022313, AI632057 |
| 1818 | HSDZB30 | 877205 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 807 of SEQ ID NO:1818, b is an integer of 15 to 821, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1818, and where b is greater than or equal to a + 14. | AA129439, AA425398, AI381416, R17127, AI418660, AA314750, F32787, AI590092, AW021547, AA151302, Z42142, AA904204, U77327, AF064105 |
| 1819 | HWLWH56 | 877206 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 356 of SEQ ID NO:1819, b is an integer of 15 to 370, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1819, and where b is greater than or equal to a + 14. | AI989601, AC005593 |
| 1820 | HWLOT46 | 877207 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 388 of | |

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|---|---|---|---|---|
| | | | SEQ ID NO:1820, b is an integer of 15 to 402, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1820, and where b is greater than or equal to a + 14. | |
| 1821 | HOVCR67 | 877208 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 334 of SEQ ID NO:1821, b is an integer of 15 to 348, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1821, and where b is greater than or equal to a + 14. | |
| 1822 | HLHSV54 | 877211 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 498 of SEQ ID NO:1822, b is an integer of 15 to 512, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1822, and where b is greater than or equal to a + 14. | |
| 1823 | HSYBZ84 | 877212 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 926 of | AA922141, AA505358, AA515537, AI439152, AA603688, AI279253, AI003069, H09774, R61798, N46444, N48945, R45147, Z45425, R55783, R43907, R14995, AA348815, AB032971 |

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| | | | SEQ ID NO:1823, b is an integer of 15 to 940, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1823, and where b is greater than or equal to a + 14. | |
| 1824 | H2LAC34 | 877213 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 488 of SEQ ID NO:1824, b is an integer of 15 to 502, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1824, and where b is greater than or equal to a + 14. | AA304651, AI372785, AA496464, R09787, D59627, C16955, D45273, D80168, D52291, D51213, T03048, D59695, C14298, D51079, D80949, D80258, Z33452, AW360780, D59503, C14407, D58246, D80014, C14227, D80064, AI535686, D81111, T11417, T02974, AW377669, D58101, D52059, H67854, D59317, D80038, H67866, AI525216, AI525228, AA809122, AA305578, D50979, D80195, D52317, C15076, D80193, D80251, D59551, C06015, D81026, D80269, D80022, D59467, D80164, D59275, D80045, D80227, D59502, AI557774, D80302, C14389, AW377661, F13647, D51423, D58283, D80166, AI557751, D80439, T03116, D81030, D80188, D57483, C03092, D80043, D80157, D51103, D59859, C14331, D80212, D80268, D80366, D59889, C14973, D80196, D59619, D80133, D80247, D51022, D80210, D51799, D80391, D80240, D80253, D80219, D59787, D50995, AA305409, C04682, D80024, C14344, Z21582, D59474, AI525969, D80248, D59610, C14014, D51221, Z30160, D80522, AA514188, T02868, D59927, D31458, D80378, AI525238, C13958, H67858, AI525242, D45260, AA514186, AI525923, AI525227, D80241, AA514184, AI525978, AI525912, AI535961, C05763, AI525235, AI525920, AI525917, AI525215, T11191, AI525237, AI525903, AI525922, AI525907, AI525925, AI525914, AR016808, X64588, AB010386, AR060385, AJ132110, AB028859, AB019242, A82595, A84916, AB002449, I14842, I79511, AR008278, U37689, I81198, A62300, A62298, AR054175, AR008277, AR008281, |

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| | | | | AR018138, AF058696, A47134 |
| 1825 | HCQAE29 | 877214 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 627 of SEQ ID NO:1825, b is an integer of 15 to 641, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1825, and where b is greater than or equal to a + 14. | AA505138, AA730263 |
| 1826 | HCRMV19 | 877215 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 433 of SEQ ID NO:1826, b is an integer of 15 to 447, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1826, and where b is greater than or equal to a + 14. | N72981 |
| 1827 | HWLMF31 | 877218 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 576 of SEQ ID NO:1827, b is an integer of 15 to 590, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1827, and where b is greater | AI806805, AA909734, AI205805, AI208930, AI023837, AI024558, AA808303, AI239842, AA904642, AI200741, AA861427, AI808962, AA971918, AA806642, AC004542 |

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| | | | than or equal to a + 14. | |
| 1828 | HFIIZ28 | 877220 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 411 of SEQ ID NO:1828, b is an integer of 15 to 425, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1828, and where b is greater than or equal to a + 14. | AA812688, AI418599, AI151240, AI808902, AI379148, AA878931, AI241082, AA938582, AI913473, AA194942, N30395, AA523704, AI379226, AI886468, AI472706, AI336385, AI287668, AA742997, AI754786, AW085594, AA876827, AI283450, AL044439, AA180129, AA525768, AA282183, AA628042, AA627935, AA916288, AI339391, AI289442, AL034430 |
| 1829 | HCQDK28 | 877222 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 368 of SEQ ID NO:1829, b is an integer of 15 to 382, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1829, and where b is greater than or equal to a + 14. | N75183, AI366031, F12542, T74151, AC012627 |
| 1830 | HHEQI29 | 877229 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 818 of SEQ ID NO:1830, b is an integer of 15 to 832, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1830, and where b is greater | AA446316, AA446497, AI198963, H38387, AI444827 |

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| | | | than or equal to a + 14. | |
| 1831 | HTWFA44 | 877230 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 576 of SEQ ID NO:1831, b is an integer of 15 to 590, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1831, and where b is greater than or equal to a + 14. | AI948974, AW150262, AW005687, AI805463, AI760052, AW130854, AI092715, AI561048, AI417784, AA846295, AI027808, AI073757, AI034006, N33620, AI215790, AI393040, AI022090, H95228, AI401833, AA771890, N92602, AW103347, AA496978, H95430, AA747344, AW183814, F22014, N56754, AI942322, AI313099, AA040794, AI470290 |
| 1832 | HOCMF20 | 877231 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3252 of SEQ ID NO:1832, b is an integer of 15 to 3266, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1832, and where b is greater than or equal to a + 14. | AL135440, W20119, AI810591, AI089310, AA044704, AA099241, AI806853, AA039903, AI420778, AI151415, AI093762, AI982907, AI871680, AI076492, AA099143, AI246659, AA041527, AA477336, AI188305, AI088688, W87880, W80803, AA479648, AW291739, AI023926, AI215789, AI768938, AA669926, AA523605, AA313436, AI452952, AI569996, AI354883, R61620, N72558, AW013938, W92312, AI168582, N33871, AI189869, W45147, AI151417, AI280515, W92299, AI379400, AA406620, AI636575, AA214649, W81054, AA748471, AA705551, AA723161, R70656, AI086670, C17933, AA830207, AW262560, W02383, AA906264, AA056377, AA040375, AI276236, AI141343, AA868115, AA862839, AI275375, H10905, AA129975, R80462, W45096, AA846612, AA847843, W87765, AA411692, AA369318, AI309745, AA359784, AA398795, AA044640, AA334622, AA367594, AI478815, AW054686, Z44983, AA367593, AI990089, R01145, AI954539, AI990659, AA379173, Z40721, AI886597, AI024032, R60952, AA670197, AA435840, AW389160, AA847919, R80663, AA056474, AA248230, N81095, AI206251, AI476295, AA211075, AI619485, N90439, |

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| | | | | R05760, AA079305, W07456, AA079306, AA847920, AW387693, AI925404, AI689470, AI953765, AI470293, AA806719, AA631120, AI889818, AI274527, AI249962, AI932739, AI888621, AI365256, AI679095, AW149876, AF003626, Y10043, AF022465, Z83826, Z93931, AC002526, Y10044, AC005479, AL024505, AL034450, AC002375, AL049709, AL035420, AF047701, L05085, AC004493, AF026008, Z20724, Z20735 |
| 1833 | HWMBO50 | 877232 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 844 of SEQ ID NO:1833, b is an integer of 15 to 858, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1833, and where b is greater than or equal to a + 14. | AI289115, AA653396, AI280875, AW439596, AA147044, AI683907, AI186619, AW191991, AI422310, AI653662, AA825197, AA854077, AA916637, AA810755, AI624228, AI763289, AA449797 |
| 1834 | HCQBD64 | 877233 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 283 of SEQ ID NO:1834, b is an integer of 15 to 297, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1834, and where b is greater than or equal to a + 14. | AW008122, AC005021, L48431 |
| 1835 | HATAP30 | 877234 | Preferably excluded from the present invention are one or more polynucleotides comprising a | AI828084, AW292950, AI955290, AI425012, D54798, AA101714, AA661732, AI082095, AI433898, N78571, AA563807, AI457762, AA460668, AA101715, |

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|---|---|---|---|---|
| | | | nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1244 of SEQ ID NO:1835, b is an integer of 15 to 1258, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1835, and where b is greater than or equal to a + 14. | AI148116, AI276830, AI378227, AI148121, AI082653, AI972872, AA631712, AI272196, AA603075, AI018047, AI453834, AI223254, AI026628, AW298807, AI280067, AI378917, T19338, T33356, AA761507, AI272883, R51104, AA644592, T03688, AI274939, AI268664, AI690246, T33873, N52587, AA461016, T32236, AA464590, AA693417, AI470644, F09140, F10434, H06959, H22931, AA318879, T15930, AL120494, AA371748, N75010, R41316, R41317, AI834293, D81373, AA767242, AW386979, R42324, T33358, T33357, AI366186, T27271, W01584, AI700577, AI767391, AI760808, W26393, W07166, AA861382, AI816326, AI291384, AI913952, W05753, AA488932, AA411945, T09288, R11766, H24112, AW293062, AI277039, R18459, R18460, AI302024, F12831, AB002385, AC006372, U66702, U81561, U65065, U73458, A63346, A63355, AF007555, Y08569, A63357, U91574, U82439, U57345, Z50735 |
| 1836 | H2LBB51 | 877235 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 747 of SEQ ID NO:1836, b is an integer of 15 to 761, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1836, and where b is greater than or equal to a + 14. | AA316077, AW407693, R35424, AL121134, AA356852, F12867, AA776842, AW163365, M74089 |
| 1837 | H6EDT19 | 877237 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AA402106, AI734033, AA401995, AI821646, AW438634 |

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| | | | is any integer between 1 to 911 of SEQ ID NO:1837, b is an integer of 15 to 925, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1837, and where b is greater than or equal to a + 14. | |
| 1838 | HWLOW87 | 877240 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 528 of SEQ ID NO:1838, b is an integer of 15 to 542, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1838, and where b is greater than or equal to a + 14. | W53026, AF180919 |
| 1839 | HWLMB22 | 877242 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1839, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1839, and where b is greater than or equal to a + 14. | W92133, AL035400 |
| 1840 | H2CBA14 | 877247 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a | AA307110, AI791261, N36579, D80195, D59467, D80164, C15076, D80227, D80269, D59275, D59502, D58283, D59859, D80022, C14331, D80166, D51799, D51423, D59619, D59610, D80210, D80391, D80240, D80253, D80043, D59787, D81030, D80038, |

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| | | is any integer between 1 to 501 of SEQ ID NO:1840, b is an integer of 15 to 515, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1840, and where b is greater than or equal to a + 14. | AA305409, D80378, D80212, D80366, D50979, D80193, D80196, D80188, D80219, D59927, D57483, D50995, D59889, D80241, C14389, D80024, D80045, T03269, C75259, AW178893, D51022, C14014, AW378532, AW178775, AI732942, AA305578, AW179328, D80134, AW177440, D81026, D51250, D80302, D80251, AA514188, AW352158, D80248, D80522, F13647, D80268, AW378540, D80168, AW178762, C14298, D58253, AW177501, AW177511, D80064, D80133, AW352117, C14227, C14407, Z21582, AW377671, D81111, AW360834, AA514186, AW360811, AW375405, D80132, D80439, AW366296, D80247, AW360817, AW375406, AW178905, AW378534, AW352171, AW179332, AW377676, AW377672, AW179023, AW178906, AW178754, AW179024, AW178907, AA285331, AW179020, AI557751, AW177456, C06015, D51097, AW352170, AW177731, D51103, AW179019, AW179018, T03116, D80157, AW378528, AW178908, AI557774, AW352174, AW178914, AW178781, AW378543, AW378525, AW352163, D80258, AI525923, D80014, T48593, D59627, AW178774, AW378539, D45260, AA809122, T11417, H67866, D45273, C03092, H67854, AW367950, AI525227, D51213, AW178986, D59317, D59503, T02974, D58246, C14973, AI525917, AW179013, T03048, C14344, AW378533, AI535686, D51221, D59474, AI525920, D59551, AA514184, D58101, Z30160, H67858, AI525925, AI525235, AI525242, T02868, Z33452, AI525239, C16955, AI525912, AI525237, AI525215, AW378542, C13958, D31458, A84916, AJ132110, A62300, A62298, AR018138, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, AF058696, D88547, AR008278, AB028859, X82626, AR025207, A82595, Y12724, A94995, AR060385, AB002449, AB012117, AR066482, X68127, AR008443, A85396, |
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| | | | | I50126, I50132, I50128, I50133, A44171, A85477, I19525, A86792, U87250, AR066488, AR016514, X93549, AR060138, A45456, A26615, AR052274, I14842, Y09669, A43192, A43190, AR038669, AR066487, AR054175, A30438, Y17187, I79511, I18367, A63261, D50010, AR008277, AR008281, AR062872, A70867, D88507, AR016691, AR016690, U46128, AR008408, AF135125, A64136, A68321, D13509, AR060133, U87247, AB033111, AR064240 |
| 1841 | HCRNM80 | 877250 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1013 of SEQ ID NO:1841, b is an integer of 15 to 1027, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1841, and where b is greater than or equal to a + 14. | AI479603, AW190581, AA573923, AA883422, AA625554, AW172498, AI031618, AI910454, AI332605, AI738984, AA910770, N30717, AA146619, AI348584, AA309589, AA143550, AA146653, AW293078, AA625575, AA625979, AA676991, AW384713, AA494197, AA679394, AA085095, AI800002, AI739098, AI126129, N41331, AI682193, R00299, AA143647, H79815, AA626482, AW362188, AI372964, C05152, N75441, AA085143, W89067, AI290775, AI202571, T99951, AW008713, W95658, AW384743, R45400, AI201781, AW389792, AW389779, AW389790, W95657, AA721631, AA354111, AW389774, AW192109, R29667, AW389836, AA515518, C03882, H79909, AI267185 |
| 1842 | HCQCC04 | 877251 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 430 of SEQ ID NO:1842, b is an integer of 15 to 444, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1842, and where b is greater than or equal to a + 14. | N65940, H82959, H72780, R09098, H90731 |
| 1843 | HCQCI17 | 877254 | Preferably excluded from the | AA129983, M73489, S57551, D17513, Z74734 |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 536 of SEQ ID NO:1843, b is an integer of 15 to 550, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1843, and where b is greater than or equal to a + 14. | |
| 1844 | HFIYJ63 | 877255 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 312 of SEQ ID NO:1844, b is an integer of 15 to 326, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1844, and where b is greater than or equal to a + 14. | AI135394, W87908, AB002331 |
| 1845 | HWLOW51 | 877256 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 563 of SEQ ID NO:1845, b is an integer of 15 to 577, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1845, and where b is greater than or equal to a + 14. | H23330, AI796906 |
| 1846 | HHFBA07 | 877257 | Preferably excluded from the | AW130559, AA604942, AI125644, AI703464, |

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| | | | present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 718 of SEQ ID NO:1846, b is an integer of 15 to 732, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1846, and where b is greater than or equal to a + 14. | AW103052, AI391708, AI452537, AI460380, AI050784, AI949725, AI052071, AW237646, AI538701, AI435508, AA621302, AA233121, AI348838, AI339780, AI800246, T67212, AI144461, AW130699, AA527371, AW205441, AA346401, AI247525, AI352551, AI651506, AA707110, R46530, AI927033, AI560516, R46529, AI918364, N75541, R51933, R72231, H45846, T67213, AA627945, N40063, AA233205 |
| 1847 | HWLDO51 | 877258 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 302 of SEQ ID NO:1847, b is an integer of 15 to 316, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1847, and where b is greater than or equal to a + 14. | AI830540, AA357636, AA516122, AI391596, AI670727, AA814145, AA661893, AA554670, AI335153, AW157547, AI862260, D31492, AA992253, AA972187, AI271839, AI218276, AC005606, AC005363 |
| 1848 | HLSAE05 | 877261 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 703 of SEQ ID NO:1848, b is an integer of 15 to 717, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1848, and where b is greater than or equal to a + 14. | AA307126, Z99396, AW392670, AW372827, AW384394, AW363220, AL119335, AL119497, AL119443, AL119522, AL119319, AL119363, AL119496, U46341, AL119457, AL119324, AL119483, AL119484, AL119391, AL119341, AL119355, U46350, U46349, AL119396, U46351, AL119418, AL036418, AL038837, AL037051, AL036725, AA631969, U46346, AL119444, U46347, AL042614, AL042965, U46345, AL134518, AL036858, AL134533, AL042970, AL134524, AL119439, AL037205, AL134528, AL042975, AL119401, AI142137, AL119399, AL036924, AL042984, AL042551, AL134538, AL042433, AL042995, AL119320, AL042850, AL119488, |

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| | | | | AL038509, AL042450, AL043019, AL043029, AL037085, AL042544, AL042542, AL042896, AL037094, AL037526, AL036196, AL037639, AL119304, AL043003, AL036268, AL037082, AL036767, AL037077, AL036190, AL119464, AL036774, AL038520, AL036998, AL038851, AL038447, AL036733, AL037178, AL036238, AL036719, AL037615, AL037027, AL036765, AL036191, AL036679, A81671, AR060234, AR066494, AR023813, AR064707, AR069079, AR054110, AB026436 |
| 1849 | HCRPJ05 | 877263 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 349 of SEQ ID NO:1849, b is an integer of 15 to 363, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1849, and where b is greater than or equal to a + 14. | |
| 1850 | HCYBD05 | 877264 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 522 of SEQ ID NO:1850, b is an integer of 15 to 536, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1850, and where b is greater than or equal to a + 14. | AA305049, N50596, AL120893, U55937, U81001 |
| 1851 | HKLSD44 | 877272 | Preferably excluded from the present invention are one or more | AI183955, AW136574, AI654355, D13902, D13897, L25648, AC007993, D13899, M17523, S57220, |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 522 of SEQ ID NO:1851, b is an integer of 15 to 536, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1851, and where b is greater than or equal to a + 14. | L37369, Z58904 |
| 1852 | HFIXP45 | 877274 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1991 of SEQ ID NO:1852, b is an integer of 15 to 2005, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1852, and where b is greater than or equal to a + 14. | U69202, AI341555, AI808490, AI347923, AA903736, AA210763, AI139380, AI631374, AA129554, W70085, AI648656, AA932877, AA136568, R39447, F09386, AI351322, AW001825, T77200, F11728, T09089, T10129, H17528, T10128, AI867156, R59448, R59388, AI868687, Z19406, AI474036, Z42465, Z28503, Z38662, F06906, F04874, R13169, H17840, AA348361, R13170, Z45682, AB000814, D89722, U60415, AF044288, AB000812, AB000813, AB012600, U51627, AF015953, AB012601, AB015203, AB012602, AB014494, AF070917, AB000815, AB000816 |
| 1853 | HAQNS64 | 877275 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 552 of SEQ ID NO:1853, b is an integer of 15 to 566, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1853, and where b is greater than or equal to a + 14. | AC005740 |
| 1854 | HCQDG09 | 877280 | Preferably excluded from the present invention are one or more | N99659, AW404075, AA469906, AI142357, AI142321, AA316159, N42495, R57922, Z59290 |

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| | | | polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 236 of SEQ ID NO:1854, b is an integer of 15 to 250, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1854, and where b is greater than or equal to a + 14. | |
| 1855 | HCQCP81 | 877281 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1145 of SEQ ID NO:1855, b is an integer of 15 to 1159, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1855, and where b is greater than or equal to a + 14. | AI207647, AI065109, AI207735, AI133231,<br>AI065011, AI133300, AI110723, AI132917,<br>AI064699, AI114870, AI064757, AI133022,<br>AI207442, AI133620, AI174820, AI132979,<br>AI207715, AI110641, AI133496, AA293047,<br>AL047029, AA401001, AA477957, AI827434,<br>AL119430, AA533278, AA149787, AI749240,<br>AA477922, AA876525, AA618213, C17649, AA663700,<br>AW082028, AI267206, AA563936, AI557108,<br>AI951094, AA516319, C18953, AA654914, AA534001,<br>AA633948, AA554486, AA196910, AA554113,<br>AI041814, AI174849, AA595757, AA149676,<br>AI536097, AA214075, AA548841, W29121, AI133692,<br>AA576110, AA983610, AI267350, AA502430,<br>AA458987, AA161230, AL043123, AA548336,<br>AA555071, AA664569, AW073785, C17145, D51211,<br>AI535890, AI253388, C18535, C18706, AA783018,<br>AA410807, AA583220, AA578683, AA886497,<br>AA758834, AI524899, AA179156, AI133161,<br>AA224754, AA192604, AA595503, AA512996,<br>AA897022, AA514885, AA100351, AA293439,<br>AA400969, AA911976, AA604469, AA654272,<br>AA197149, AA580161, AA889892, AA566006,<br>AA908677, AA095070, AI524960, AW368638,<br>AA579806, AA235499, AA576180, AA834302,<br>AA587814, AI535677, AW368637, AA400809, |

AA079632, AA593495, AA617685, AA653974,
AA523492, AA725126, AA428850, AA464752,
AA507391, AA291811, AA214074, AI025574,
AA834333, C18039, AA143135, AI910010, AA508758,
AA527764, AA225751, AW373400, AA481923,
AA582805, AA923266, AA554801, AA886075,
AA908596, AA938043, AA879019, AA526743,
AW378088, AA554076, AA090685, AA985612,
AA595582, AA112939, AA564658, AA431814,
AA401126, AA492096, AI954125, AA709167,
AA171612, AA086336, AA532797, AI783446,
AA576154, AA470370, AI910011, AA583092,
AA564029, AW371295, AA680242, AW070565,
AA679139, AI910004, AA620694, AA091624,
AA086135, AA453608, AI133009, AA886562, C03930,
AA464751, AA094464, AA194368, AI015676,
AA176484, AA877931, AI936914, AA992091,
AA708229, AA551520, AA694521, AI680484,
AW175960, AA934835, AW371871, AA079806,
AA650245, AA724218, AI620133, AA568749,
AI525240, AA456614, C03144, R28950, C18721,
AW362558, AA506494, AA095478, AA649597,
AA534145, AA630561, AW178904, AA632764,
AA702642, AA196736, AA916453, AA181000,
AA127860, AA214682, AA640699, C15091, AW382590,
AA210666, AA249278, AA464045, AA194421,
AA216167, AA492256, AA921332, AW364429,
AW373695, AW373663, AI253336, AW373685,
AI832579, AW364463, AW364399, AA554414,
AA159642, AI004318, H01671, AI862143, AI908712,
AI052019, AI565446, AW367539, AW178905,
AA193076, AI953931, AI708040, AA714432,
AW383933, AI833081, AA090224, AI935127, X62996,
X93334, M10546, V00662, J01415, D38112,
AF134583, AF014882, AF014883, AF014888,
AF014889, AF014890, AF014892, AF014897,

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| 1856 | HLHEI46 | 877282 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 922 of SEQ ID NO:1856, b is an integer of 15 to 936, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1856, and where b is greater than or equal to a + 14. | AI669644, AI925693, AA548892, AA233718, AI961715, AA974649, W16617, AI092738, AW207722, AA233142, T64223, N79582, M27717, M73720, S40234, J05118, U67914, M73718, M73719 |
| 1857 | HCROB02 | 877283 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 520 of SEQ ID NO:1857, b is an integer of 15 to 534, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1857, and where b is greater than or equal to a + 14. | AL043619, AI632642, AI168748, AI376972, AI925713, AI703467, AI681157, AI279540, AI521713, AI888798, AA420977, N40163, AW235376, AW027303, AI581196, AI274962, AW080693, AI082185, AA437229, N51345, AW337551, AA761745, AA747627, H97971, AW440981, AA129415, AA514752, AW338816, AI264914, AW367007, AL041883, AI332872, AA768454, AA720670, AA281119, N67945, AI358787, AI978861, D62242, R55623, AA837971, AA835005, D61857, AI640690, AI695207, AA832003, AI701314, D62442, AA741386, AW297680, AI453837, AI335195, AI079445, N23185, AA843537, AI923841, AI651407, AI569072, AW070934, D63021, AI990693 |
| 1858 | HFKIN68 | 877284 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AI633741, AI017113, AA305124, AA227077, X58531 |

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| | | | the general formula of a-b, where a is any integer between 1 to 1716 of SEQ ID NO:1858, b is an integer of 15 to 1730, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1858, and where b is greater than or equal to a + 14. | |
| 1859 | HWHGC93 | 877285 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 876 of SEQ ID NO:1859, b is an integer of 15 to 890, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1859, and where b is greater than or equal to a + 14. | AW275818, AI969511, W68529, AA627916, AW275825, W68815, AI375939, H42716, AI611676, R48249, AA642987, AA631033, R73789, AI800001, AW452308, AW117862, AI474539, AI220853, AA730105, AA933672, H25944, AI745535, AW276480, D29313, AW381131, AW380949, C00410, AW381579, AW381130, AI220849, H25979, AA368136, AL035408 |
| 1860 | H2CBC75 | 877287 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 544 of SEQ ID NO:1860, b is an integer of 15 to 558, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1860, and where b is greater than or equal to a + 14. | D83865, AA307061, AI400071, AA129911, D80268, D51060, C14389, C14014, D80522, F13647, D81026, AW177440, Z21582, D81111, AW177501, AW177511, C14227, D58283, D80043, T03116, D59610, AA305578, D80022, C14331, D50979, AW369651, AW178986, D80168, D80247, AA285331, D51022, D80038, AA514188, AA305409, D59859, D80166, D50995, D80195, D59467, D51423, D59619, D80210, D51799, D80391, D80164, D59275, D80240, D80253, D59787, D80227, D59502, D80439, D80241, D80014, T11417, D81030, AW352117, D80188, D80269, D80024, D80212, D80366, D80196, D59653, D80219, D57483, D59927, D80248, AA514186, D51103, C15076, D80064, D59889, D80193, C14429, T03269, AI557751, AW352120, D80045, D80133, D80378, D51759, D80302, AW178762, C14407, D80157, |

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| AW360811, AW377671, AW178893, AW177734, D80251, AW378540, D52291, AW178759, D59373, C75259, AW378533, AW375405, AW360844, C14077, D59627, T02974, C06015, C14298, AW178906, H67866, AW179019, D51213, AW179328, C05695, AW366296, AW378539, AW360817, AW179020, T48593, AW378532, AI525923, AW375406, AA809122, AW378534, AW352171, AW179332, AW377672, AW179023, AW178905, AW177731, AW378528, AW178754, AW179024, AW377676, D45260, AW177505, AW178775, C03092, AW360841, AW352170, AW352158, D51250, AW178909, AW177456, AW179004, AW178907, AW178908, H67854, AW179018, AW178971, AW360834, C05763, C14344, AW367950, AW179009, D60010, AW179012, AW178980, AW178914, AW178774, AW178781, AW177733, AW378543, D80258, H67858, D59474, D58246, C14973, C14957, AI525917, AI525227, D59317, D58101, D59503, D51221, AW178911, AW378525, C14046, AW352163, AI557774, AI525920, AA514184, AW177728, AI535686, AW179013, D60214, AI525235, D59551, C16955, T03048, AI525925, AI525215, Z33452, AI525912, D45273, AI525242, Z30160, AW378542, C13958, AI525237, AI905856, AI525222, T02868, AW360855, D80654, D52317, D31458, AB002804, D86959, D88425, AJ132110, AF058696, A62300, AB028859, AR008278, A84916, A62298, AR018138, A82595, AR060385, AB002449, I50126, I50132, I50128, I50133, X68127, AR060138, AR016514, X67155, Y17188, D26022, A25909, A45456, A26615, AR052274, A94995, AR054175, Y12724, AR066488, A67220, D89785, A78862, D34614, Y09669, A43192, A43190, AR038669, AR008443, AR066487, A30438, I14842, Y17187, D88547, AR008277, AR008281, A70867, D50010, A63261, X82626, AR062872, AR016808, AR008408, AR025207, AR016691, | | | |

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| | | | | AR016690, U46128, A64136, A68321, AR060133, I79511, D13509, AF123263 |
| 1861 | H2LAW79 | 877288 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 829 of SEQ ID NO:1861, b is an integer of 15 to 843, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1861, and where b is greater than or equal to a + 14. | AA315705, AA329923, D80268, AA305578, D59502, D80164, D50979, C06015, C14389, D80038, F13647, D59275, D80195, AW178759, D80188, D59467, D80227, AW178986, AA514188, D58283, D51799, AA305409, D51022, D59859, D80043, D80022, C14331, D80166, D50995, D51423, D59619, D80210, D80391, D80240, D80253, D59787, C15076, D80269, D81030, D80378, D80212, D80193, D80196, D80219, AA514186, D81111, AW378533, D59927, T03116, D80045, D81026, D59610, D57483, C14227, D80439, D80522, D59889, T03269, D80024, D80247, AW177440, D51103, D80248, D80241, D80366, D80302, C14014, Z21582, D59695, AW178893, D80133, AW178906, D52291, D80064, D80157, AW377671, AA285331, AW352117, D80251, C14407, AW360811, D80168, D80014, AW375405, AW179332, C14298, AW179328, D59503, AW178754, AW179019, AW378532, AI525923, AA809122, AW366296, AW360817, D59317, AW352120, AW179020, D45260, AW375406, AW377676, AW378534, AW352171, T48593, AW377672, AW179023, AW178905, AW177731, D51250, AW178762, AW179024, AW178971, C03092, AW378528, H67854, H67866, T11417, D59627, AW177456, AW179012, AW178907, AW178908, AW179018, D80258, AW378540, AA514184, AW360834, T02974, C14344, AI525917, AI557774, D58246, D59551, AW179013, D51221, C14973, AI535686, AW367950, AW178914, AW178774, AI525227, AW378543, D59474, AI525920, AW378539, D31458, H67858, AI525925, D51213, D58101, Z30160, AW378525, AW352163, AW178781, D45273, AI525242, AI525235, AI557751, T02868, C16955, C14077, AI525912, Z33452, AI525903, AW378542, AI525215, C13958, AA305720, AI525237, T03048, Z86064, AL049679, AJ132110, A84916, |

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| | | | | AB028859, A62300, A62298, AR018138, AR060385, I50132, A82595, AR008278, AF058696, AB002449, Y09669, I50126, I82448, I50128, I50133, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, AR016514, Y12724, A94995, AR060138, A45456, A26615, AR052274, I14842, A43192, A43190, AR038669, AR066488, AR066487, AR054175, A30438, AR008443, X68127, D88547, Y17187, A63261, X82626, AR008277, AR008281, D50010, AR025207, AR062872, A70867, AR016808, AR016691, AR016690, I79511, U46128, AR008408, A64136, A68321, AR060382, D13509, AR060133 |
| 1862 | HCE2C40 | 877289 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 250 of SEQ ID NO:1862, b is an integer of 15 to 264, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1862, and where b is greater than or equal to a + 14. | AC005368, AF059650 |
| 1863 | HMCDH54 | 877290 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1868 of SEQ ID NO:1863, b is an integer of 15 to 1882, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1863, and where b is greater than or equal to a + 14. | AL133778, AW408536, AA397575, AA399688, AA725429, AA324765, AA321795, AW243558, R86033, AW271180, H65207, AL134927, AB032995, AB018253 |

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| 1864 | HTPFG64 | 877295 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1912 of SEQ ID NO:1864, b is an integer of 15 to 1926, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1864, and where b is greater than or equal to a + 14. | AW268628, AW408344, AI042425, AA286908, AI093993, AW316896, AI339306, AA736991, AI271364, AI539564, AA287969, AI689236, AI240770, AA035024, AA035512, AA804433, AW001846, AI191237, AI161031, AI015252, AW192454, AI817128, AI867530, AA557231, AI452866, AA804383, AL043242, AA627583, AA809613, T27814, M30818, M33883, AC004497 |
| 1865 | H2CBQ45 | 877298 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 544 of SEQ ID NO:1865, b is an integer of 15 to 558, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1865, and where b is greater than or equal to a + 14. | AW263526, AA457032, AW136358, AA828242, AA313271, AL078644 |
| 1866 | HCQAD77 | 877299 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 335 of SEQ ID NO:1866, b is an integer of 15 to 349, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1866, and where b is greater than or equal to a + 14. | |

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| 1867 | HKLSB60 | 877301 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 522 of SEQ ID NO:1867, b is an integer of 15 to 536, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1867, and where b is greater than or equal to a + 14. | AA225376, AA226684, T94384, R73816, R73841, AA002207, AA225124, AA225347 |
| 1868 | HLHTC92 | 877310 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 839 of SEQ ID NO:1868, b is an integer of 15 to 853, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1868, and where b is greater than or equal to a + 14. | R66025, R76969, AW043721, AA553904, AI417134, R58054, U77970, AR059959, U51625, U77969, AR059960 |
| 1869 | HWLXP93 | 877319 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1232 of SEQ ID NO:1869, b is an integer of 15 to 1246, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1869, and where b is greater than or equal to a + 14. | AL119992, AI968101, AI806911, AI656159, AI299706, AI918763, AW021370, W49735, AA805636, AA906238, AA884471, W49632, T77508, AW190697, AW020878, AA812095, AA805395, AI767210, H08971, AA909382, AA325979, AA805574, AI911384, AI520787, AC007239, U79290 |

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| 1870 | HUKBC55 | 877320 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 119 of SEQ ID NO:1870, b is an integer of 15 to 133, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1870, and where b is greater than or equal to a + 14. | AA299388 |
| 1871 | HE9FH60 | 877321 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 408 of SEQ ID NO:1871, b is an integer of 15 to 422, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1871, and where b is greater than or equal to a + 14. | AC005037 |
| 1872 | HHEFC89 | 877324 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 615 of SEQ ID NO:1872, b is an integer of 15 to 629, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1872, and where b is greater than or equal to a + 14. | |

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| 1873 | HCEOF08 | 877326 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1393 of SEQ ID NO:1873, b is an integer of 15 to 1407, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1873, and where b is greater than or equal to a + 14. | N20930, AL135016, AL134824, AA702162, C03031, AW172587, AI139490, AW057590, AI809330, AI521171, N27797, AI953095, AI307324, AA705112, AA969165, AA284734, AA325231, AI219990, AA287154, C03026, AI122656, AA772255, AA782094, AW073074, AI685711, AW192900, AI659385, AA044259, AW451578, AI001129, R28506, R28654, AW296185, AA044143, AF034374, AJ224328 |
| 1874 | HLHBZ17 | 877327 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 693 of SEQ ID NO:1874, b is an integer of 15 to 707, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1874, and where b is greater than or equal to a + 14. | C15947, H86703, AA359866, D61503 |
| 1875 | HWLRP86 | 877329 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 251 of SEQ ID NO:1875, b is an integer of 15 to 265, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1875, and where b is greater than or equal to a + 14. | AI093660, AW327590, AA706690, AW296986, AA156871, AA243570, AA394118, AA402938, AI870692, AI635237, AI139325, AI286284, AW298025, AI830613, AA736608, AW008771, AW004643, AI277887, AI040732, AA628965, W93926, AI352001, AA954225, AI278572, N33931, AI128499, W46369, AI159880, AI362660, AI350268, AA622742, AA887292, AI276858, AA250840, AA437277, AA039774, AI242916, AI187707, AA804951, AI277891, N63418, AA557131, AA662472, AI251864, AI097294, AA991440, H99028, AI572652, AI610660, AA055193, AI378407, AA719806, AI423797, |

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| | | | | AA729670, AA446337, AI311820, W81234, AI300798, AA156771, AA447436, AI189310, AA664607, AI091132, AI589143, AA918355, AA929050, AI095636, AA563972, N39264, N62211, AA936816, AA932784, AI868453, AW088157, AA970862, R77959, AI205800, N32013, AI582264, AI376345, AI224485, AI274254, AI334251, AI401393, AI079459, AI091021, AI277813, C14412, AI626008, AI279571, R26078, D80204, AA621068, AI400442, R80543, AI479083, AA641535, AI378637, W81271, W81215, R62807, H00547, C14369, AI784466, AI160567, AI160569, C14400, AI926459, C14352, AA442355, C14220, C14335, AA687810, C14509, AA907451, AW025906, AA459765, AL040127, AF125099, AR029580, AF194030, AL133075, S77771, AF114784, AL137429, AL117443, AF207750, AL133645, U67958, S78453, AL137554, Z30970 |
| 1876 | HISEQ81 | 877331 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 499 of SEQ ID NO:1876, b is an integer of 15 to 513, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1876, and where b is greater than or equal to a + 14. | AA251070, AA663366, AL035663, AC008085, U85196, AE000660, AC004707, AC006023, AF045450, AL133247, AC004897, AL031390, AF135487, Z83850, AF121782, AL109922, AL034410, AC007567, AC007043, AB026898, AP000500, AP000027, AC000064, AC007566, AL031775, AL023581, AC004381, AL022069, A60169, AC023172, AL008629, AF072497, AC009946, A60201, AC004020, AF072499, AF064860, AF072501, A60173, A60168, AB024464, AB024472, AB024457, AB024458, AB024460, AB024479, AB024484, AB024488, AB024459, AB024469, AB024471, AB024478, AB024481, AB024462, AB024467, AB024463, AB024470, AB024473, AB024475, AB024474, AB024482, AB024476, AB024465 |
| 1877 | HWLWA07 | 877332 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AA779795, AI808514, AA632293, AW263707, AI264254, AI573067, AI268002, AA983452, AI863711, AI434573, R38583, N66320, AA297783, AA889997, AW020741, AW084236, AI961833, |

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| | | | the general formula of a-b, where a is any integer between 1 to 636 of SEQ ID NO:1877, b is an integer of 15 to 650, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1877, and where b is greater than or equal to a + 14. | AW409834, AI914107, R37238, AI202244, AW050863, AI656365, AA318265, Z39970, AI767672, AA757332, AI557697, AI547137, T69960, AI541216, AI535787, AI547038, AI557382, AI541533, AL122101, AL008582, AL035659, U44059, U06935, Y11149, AJ132931 |
| 1878 | H2CBS31 | 877333 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 707 of SEQ ID NO:1878, b is an integer of 15 to 721, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1878, and where b is greater than or equal to a + 14. | AI248204, AA677184, AI380963, AA284845, AW081587, T18597, AI525556, AI557084, C14322, AI541205, AI525500, AI557533, H65400, AW023216, AI557082, AA308485, AI541321, AI557731, AI557238, AI557263, AI557602, T69960, AI541034, AI557258, T61541, AI557697, AI535813, AI525856, AI557543, AI541027, AI535994, Z66121, AR050070, A62298 |
| 1879 | H2CBN88 | 877334 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 550 of SEQ ID NO:1879, b is an integer of 15 to 564, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1879, and where b is greater than or equal to a + 14. | AA054379, AA307842, AA018519, AI581828, A59459, A59517, AF048695, U52377, A59470, U53138, A59468, U52375, A59469, U52376, A59466 |
| 1880 | HWLOK01 | 877336 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AI287235, AA587620, AA729307, AI821703, AI698647, AI688112, AI767799, AA887822, AA973956, AI693558, N78520, AI824444, AI609594, AI682837, AI690813, AI584118, AI824357, |

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| | | | the general formula of a-b, where a is any integer between 1 to 263 of SEQ ID NO:1880, b is an integer of 15 to 277, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1880, and where b is greater than or equal to a + 14. | AI224373, AI886355, AI537516, AW167777, AI911020, AI567802, AW151451, AI954293, AW194014, AI888095, AI439903, AW079859, AI885905, AI635528, AI049669, AI689096, AI636309, AW131165, AW090681, AW084440, AI538008, AI784230, AI491710, AI925164, AI220828, AI432532, AI696714, AI472566, AI874238, AA761557, AI251221, AI620643, AI886940, AI285439, F34241, AI553926, AI628325, AI559863, AI954095, AA743430, AI804505, AI357902, R39624, AI918554, AW079572, AW084896, AI580694, U82987, AC005218, I09499, AF109683, AL096728, AJ001388, X52220, U57715, AF188712, X95310, U51123, AF081571, X66975, X57084, U79523, X66862, AF090923, AB031064, X68560, AF078844, AF114818, I22272, AL137663, E02253, X60786, AF002672, M92439, X99226, X98066, AL133067, AJ132433, AF153205, AF167995, AR064250, AF119337, AL133069, AF114170, AF200464, AF090886, X63574, Y08769, AR012379, AF141976, X06146, AF077051, AF003737, L40386, A65341, AL080146, J05032, AL050108, AJ012755, AF038847 |
| 1881 | H2CBR23 | 877338 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2508 of SEQ ID NO:1881, b is an integer of 15 to 2522, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1881, and where b is greater than or equal to a + 14. | AW340662, AW316660, AI970681, AA889159, AI458059, AI590367, AI679607, AI797703, AW338264, AI739401, AA523715, AA425084, AI216290, AA515788, AA526334, AI677745, AA134355, AI674509, AA143532, AA313282, AA927236, AA315699, AI620159, AA922890, AW062635, AW374778, AA100752, AW374734, AW368107, AI214469, AA134354, AW368106, AA385843, AI919003, AW379835, AW389815, AW206252, AA213695, AA305544, AW418789, AW368007, AW368008, AW374786, AA313396, AI940533, AI940454, AW062630, AI920939, R25623, AW176592, AA376950, AW389787, T48510, AW178927, |

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| | | | | AA314737, AW262708, AA626931, AW390922, AA074381, AI219498, AW390912, R27011, AW390971, AW391129, AW379257, AW391053, AA746736, AW390981, AW276892, AW391030, T24527, AI815057, AW057823, W52053, AA524509, AW374790, W60597, AF132818, D14520, AF079852, D82785 |
| 1882 | HCYBK82 | 877339 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 441 of SEQ ID NO:1882, b is an integer of 15 to 455, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1882, and where b is greater than or equal to a + 14. | AA305544, AI970681, AI590367, AI797703, AA425084, AW316660, AI458059, AI739401, AI679607, AA889159, AW340662, AA922890, AI677745, AI216290, AA515788, AI674509, AA134355, AW338264, AI620159, AA100752, AA927236, AW206252, AI273521, AI919003, AA626931, D59859, D80227, D80269, D80195, D59275, AI214469, D59502, D80391, D59787, D58283, D80038, D80022, D80166, D51799, D81030, D59610, D80196, D59467, D51423, D59619, AA524509, D80378, D80210, D80240, D80253, D80043, D80164, D80212, D50979, D80193, D80188, C14331, D80219, D59927, D57483, D50995, D80366, D59889, C14389, D80241, C15076, D80024, AA305409, D80045, C14429, D81026, T03269, C75259, D51060, AW178893, C14014, AW178775, D80134, D51022, AW179328, D80949, AA514188, AA305578, D80268, F13647, D51250, AW177440, AW378532, AW418789, AW369651, D80522, D58253, C14227, D80168, AW352158, D80251, D81111, AA514186, D80248, AW178762, AW177501, AW177511, C14298, AI910186, Z21582, AI905856, D80064, D80133, AW352117, AW360811, C14407, AW377671, C05695, AW176467, AW375405, AW360844, AW378540, D80132, AA285331, AW366296, AW360817, AW375406, AW178905, AW378534, AW352171, AW179332, D51097, AW377672, AW179023, D80439, D80302, AW377676, T03116, AW360834, AW352172, AW352174, AW177505, AW360841, AW178909, AW178907, AW178906, AW352170, AW177731, AW178754, AW179019, |

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| | | | | AW179018, AW179024, D59373, D80247, AW179220, AW179020, AI557751, AW177456, AW179329, AW178980, AW177733, AW378528, AW178908, AW178971, T11417, D51103, AW179017, AW179004, AW179009, AW179012, AW178914, D80014, AW367967, AW378543, AW378525, D58246, AW276892, AW177728, D80157, AW177722, AW178911, D51759, AW178774, AW352163, D59503, C06015, AW178983, AW352120, D80258, AW178781, D58101, D59627, T48593, AW378539, C14975, AW177723, D45273, D59653, AI525923, AI557774, AI535850, C14973, T02974, D45260, AW378533, H67866, AW367950, D51213, AW177508, AA809122, H67854, C03092, D80228, AW177497, AW177734, AW178986, D59317, AI525227, D60214, T03048, AI525917, AI535686, C14344, D14520, AF132818, A84916, AJ132110, A62300, A62298, AR018138, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, D88547, AF058696, X82626, AR008278, AB028859, AR025207, Y12724, AB012117, A82595, X68127, A85396, AR066482, A44171, A94995, AR060385, AB002449, A85477, I19525, U87250, A86792, X93549, AR008443, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I18367, I14842, A30438, AF135125, D88507, AR054175, D50010, Y17187, A63261, AR008277, AR008281, AR008408, AR062872, A70867, AR016691, AR016690, U46128, AB033111, D13509, I79511, A64136, A68321, AR060133, AR064240, AB023656, U87247, U79457, AF123263, AR032065, X93535, AR008382 |
| 1883 | HCRMK82 | 877340 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by | AW262592, AW367357, AI953876, AW265047, AI290247, AI261967, AA826909, AI336616, R46813, AA055350, R39815, N73560, H16260, AW365173, AC006251, X68487, M97759, AR044912, I20962 |

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| | | | the general formula of a-b, where a is any integer between 1 to 844 of SEQ ID NO:1883, b is an integer of 15 to 858, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1883, and where b is greater than or equal to a + 14. | |
| 1884 | HDTBO06 | 877344 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1405 of SEQ ID NO:1884, b is an integer of 15 to 1419, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1884, and where b is greater than or equal to a + 14. | AI627846, AI686196, AI766030, AA159730, AA159731, AI478216, AI745281, AA683246, AA252582, AW085579, AA936240, AA464699, AA732427, F11142, N62186, AA825887, N90846, N77132, AA376347, F08813, H50638, AL121257, AL021937 |
| 1885 | HEGAM94 | 877346 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1999 of SEQ ID NO:1885, b is an integer of 15 to 2013, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1885, and where b is greater than or equal to a + 14. | AI935271, AI762915, AI809275, AA398950, AI127111, AI813351, AA749298, AA705921, AI343768, AA776967, AA766587, AW070583, AI052069, AA291984, AA715043, AA460658, AA804876, N44967, AA394137, AW071467, N93279, AI343843, AA393817, AI452856, AA292934, R90963, W72279, AA861873, AA526081, AI819873, AA226137, AA262543, R72676, T17354, AA514931, R73310, R90959, W25119, R64455, AI783605, W76306, AI624523, AA490863, AA261906, AI864544, AW068181, AA860972, R72980, H83354, AA359560, AI632879, AA291985, AA255873, AA325261, AI057127, R48640, R18641, AA461005, AA261923, R18640, H83702, Z38970, N36710, AL134185, H90736, H59529, H90786, AI784395, AA652150, AA652026, H60402, Z42828, AA226136, AA776284, |

AA491047, AA393770, AA909279, D20449, AI696435,
H11527, AA398313, R41605, AI584130, AI473208,
AI862134, AI273856, AL036705, AI539260,
AI673140, AA715307, AA809974, AI369807,
AL135047, AI440260, AW083572, AI554344,
AA580663, AI683972, AI440238, AW151974,
AI923989, AI440263, AI683568, AL138376,
AI554821, AW020561, AA641818, AA761557,
AW366372, AI653402, AA115869, AA748353,
AW055075, AI432644, AI538298, AI089748,
AI587000, AI590043, AL134830, AI682640,
AI954080, AI691131, AI572396, AW087262,
AI094749, AW162194, AI613038, AI557104,
AI866469, AI539690, AW089439, AI475270,
AW087445, AI625293, AA065052, AI289310,
AI678857, AI445505, AI370965, AA282824,
AI866457, AI872423, AL135012, AI591093,
AI219380, AI250282, AI889728, AI567582,
AI468959, AW151132, AI498716, AI538805,
AI419826, AI921155, AI685798, AW075382,
AI149977, AW195253, AL119748, AI915795,
AW243886, AW130129, AI925736, AW168012,
AI798114, AL121270, AA609644, AI440236,
AW268122, AI680221, AI064830, AI473471,
AI623389, AI283322, Y11254, AR050959, AC002464,
X06146, AL137557, AJ238617, AF150103, D44497,
AL031732, A15345, AL133084, Y18678, A93914,
AF126247, AF100752, AL133608, AL110171,
AL117460, M85165, I03321, U49434, AL137539,
AL137459, AF082526, E12888, AF145233, AF118094,
AL133113, U92992, AC002287, AF017437, I33391,
AL133637, AF069506, AL122101, AL133080,
AL133053, AL122049, U70981, AF115392, X82434,
AL117587, U67082, AL137284, AR034821, X15132,
AF043642, AL137479, AF051325, I46765, S63521,
AF004162, AF161413, AJ238093, AL122110,

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| 1886 | HDTAH72 | 877347 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1879 of SEQ ID NO:1886, b is an integer of 15 to 1893, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1886, and where b is greater than or equal to a + 14. | AI268315, AI344319, AA531249, AI952869, AI492586, AA588629, AW044245, AI246254, M78525, AA621945, H97851, AW082375, R34105, AA376468, AA376668, AA376330, AA224458, R34106, AA166983, D58161, AI919577, C21057 |
| 1887 | HARAG42 | 877351 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 419 of SEQ ID NO:1887, b is an integer of 15 to 433, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1887, and where b is greater than or equal to a + 14. | AA534438, AA296922, AI732343, AA502919, AI732203, E13091, AR028526, AF048700, E13090 |
| 1888 | HCQDL20 | 877355 | Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 399 of | R10554, AA873089, AW007836, AA376913, AA702706, AI861809, AI052145, N74374, AI739300, AW055276, T40120, AA343939, T40984, J04813, AF209389, S53047, M14096, M18907, X12387, J04449, AF182273, D31921, M13785, X90579, L26985 |